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FARMING

VOL. XV.

FARMING

AN ILLUSTRATED WEEKLY JOURNAL DEVOTED TO PARMING AND THE FARMER'S INTERESTS.

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TOPICS FOR THE WEEK

Agricultural News and Comments.

The Devon breed of cattle was introduced into the United States the same year that Shorthorns were, in 1817, but they have not been as favorably received and have not met with the popularity that the Shorthorns have. The Devons are said to be a typical general purpose cattle The cows give a good quality of milk containing high per centage of butter fat. The beef qualities of the breed are the very best. One serious objection to the Devon breed is their slow growth.

In 1870 the yearly average rate of freights per bushel for wheat from Chicago to New York was, via lake and canal, 17.10 cents, lake and rail, 22 cents, and all-rail, 33.3 cents. In 1897 the rate was 5.22 cents via lake and canal, 7.42 cents via lake and rail, and 12.5 cents via rail alone. The lowest year for lake and canal freight was in 1895, when the rate was 4.11 cents. The lowest year for lake and rail freight was in 1890, when the rate was 0.61 cents. In 1896 the all-rail rate was the lowest, when it decreased to 12 cents. The decrease in all the rates during the past 27 years has been full 300 per cent.

In 1880 the acreage of wheat in the United States was 37,986,717 acres; the average yield 13.1 bushels per acre, and the average price in December 95 i cents. In 1897 the acreage was 39, 465,066; the average yield 13.4 bushels, and the price in December 80.8 cents. The highest price in December of any year was in 1881, when wheat went up as high as \$1.19 per bushel, the lowest price in December of any year was in 1894, when it dropped to 49.1 cents. The greatest average yield per acre was in 1891, when it reached 15.3 bushels per acre, and the lowest average yield in 1881, when it was only 10.2 bushels per acre.

The United States crop report makes a favorable indication for the wheat crop for the present year. The approximate estimate for the United States is 375,000,000 bushels of winter wheat, and 275, 500,000 bushels of spring wheat, or a total of 650,000,000 bushels. Though this estimate may be exceeded, it is hardly safe to count on a larger estimate at this juncture. This is nearly 200,000,000 bushels more than last year, and the largest on record.

JUNE 28th, 1898.

According to late statistics, the American farmer is becoming an oninivorous reader of agricultural literature Prior to 1894 the total number of farmers' bulletins issued by the U.S. Department of Agriculture was 540,000. In 1894 the number issued wis 278,500, 1895, 1,507,000, 1896, 1,891,000, and in 1897, 2,387,000. The superin tendent of the division of publication says that the demand for literature is steadily increasing, and that this increase seems likely to continue until every one of the 5,500,000 farmers of the United States is provided with literature sent out by the department hearing upon agriculture.

Professor Robertson has recently visited the creamenes in the Northwest Territories. The butter business in that section is progressing, and it is expected that there will be an increased output this season. The great mining districts of the West will be able to take all the butter these creameries can supply. Professor Robertson, on his return from the West, will visit England on business connected with his department.

Through the skill of the chemist the farmer may find another competitor in the market for supply ing food. It seems that sawdust is very good When sawdust and timothy hay are ana food lyzed it is found that their component parts are almost identically the same. A German scientist has recently invented an apparatus for converting sawdust into cakes. These cakes may be used for cattle, horses, etc. The new substance consists of two parts of fine sawdust and one part of bran and muriatic acid After fermentation the mixture is baked. It is then damped by means of water, when it makes a good substitute for hay or straw, and is also good fodder for cattle and horses.

The Philippine Islands are south-cast of China and contain about 100,000 square miles, with a population estinated as high as 10,000,000. There are three seasons, a cold season from November to March, a hot season from March to June, and a rainy season from June to November. The islands are rich in natural resources, which are still largely undeveloped. Large quantities of tobacco, hemp, sugar cane, coffee and cocoa are produced, a considerable part of which is shipped to the United States The value of all imports from the Philippines fluctuates widely between \$5,000,000 and \$10,000,000 annually.

Bone is one of the most valuable foods for hens. If the poultry raiser has no bone-cutter or bonemill, many hones that could be used for the hens will be wasted. Bones are very tough, and are not easily broken by pounding with a hammer. To facilitate such work, however, bones should be heated in an oven or partially burnt. If wellsteamed, they also become brittle. After heating the boncs, pound them on a flat stone, and they will be found not so difficult to break as before.

It will be of interest to know that in European countries the governments assist very materially in regard to freight rates / 1 agricultural products. France has obtained reductions of 30 to 50 per cent. on agricultural products and manures. Denmark has given a subsidy of £8 300 to a steam ship line for the bacon trade, and milk and butter are there forwarded by passenger trains at good rates. In Belgium free carriage is given for milk, vegetables, poultry, etc., carried by farmers for immediate market. In addition to its efforts towards decreasing rates, Germany gave in 1895 £246,000 as a first instalment towards making light railways, for which purpose Denmark has also granted large sums. The colony of Tasmania gives guaranteed freights.

A road grader is one of the most necessary im plements for a township to possess. To depend upon manual labor for the first grading of roads and the repair of others that require re shaping is a useless waste of labor and money. Improved road machinery is as great a saving in road making as is the self binder or the steam thresher in farming operations. The grader in the hands of a skilful operator will do the work of fifty to seventy five men in grading and levelling the roadway.

Our British Letter.

Co-operation in England.

(From Our Special Correspondent.)

London, Eng., June 6, 1898.

In a recent article 1 promised to refer to the question of co-operation in England. We here know well what it is in Canada and continental countries, thanks to the governments and press of these nations. In England, too, there is a good deal of co-operation; but, unfortunately, it is not amongst agriculturists. It is amongst the consumers These gentry have co-operative stores in some of our large towns by means of which they purchase their consumable goods in large quantities and also very cheap, and, when they have them, they self them to the individual members at a price which none of the retail shops can match.

But these same gentry hold annually in a dif ferent district what they term a "Co-operative Con gress " At this the chief officials, etc., enlarge on the advantage of the coor rative system, and, sometimes as this year-they go out of then way to "teach their grandmothers how to suck eggs (to use a colloquialism). The congress for this year has just concluded its annual deliberations. I don't intend to refer at length to them, but I simply cite the affair as one common in all coun tries, ic, there are always and everywhere to be found those who, by some perversity, think they can teacl, the agriculturist either a short cut to wealth, or at the least, teach him how to manage the business, in which he has spent a lifetime, better by far than he himself is able to manage it. In a country like England, where the farming community is conservative in every characteristic to an enormous degree, this advice is not listened to with much attention by that community.

With much advice of the description indicated flying about ever and anon, it is, perhaps, hardly to be supposed that our farmers have yet taken to co operation in any large or national sense. It may be, and is, unfortunate, but that is the simple fact.

However, I am able to state, on the best authority, that some of our agricultural institutions are not only engaged in looking into the subject of co operation (both for the purposes of purchase and of sale), but that there is a possibility that it will be tried in a form which can be commended. The subject is a very difficult one, so far, at any rate, as co-operation for the purposes of sale are concerned, and this arises, in my opinion, more from the phlegmatic and conservative temperament of our cultivators than from anything else.

Co-operation among the farmers for the purpose of purchasing seeds, manures, implements, feeding stuffs, and other dead stock, has always been a success. But this is a very small part of the general subject. It involves no hability on the part of the farmer beyond a small subscription to the particular association with which he associates himself. By such membership be is able to go to a merchant or a manufacturer and to say, "I am a member of such and such a society, and I want such and such an article." The manufacturer is only too pleased to sell it to him, and at the lowest price, because, if he refused the farmer, the other associated members would take their custom elsewhere.

When we advance to co-operation for the sale of the produce of the farm, then we have a difficulty to tackle. The farmers, in starting an association They with this object, must spend their capital. must, for example, open shops or stores in the towns where their commodities can be seen and purchased by the townsman. They must employ a manager or managers to work up a connection, and to supervise the staff required for serving customers and for delivering the goods to their doors, etc., etc. After all this has been done, they must individually do their best to meet the manager's demands on them for goods, and then, perhaps, give longer credit than if they had sold their goods outright to the middleman. Of course, the great object is to secure for themselves the profits which the middleman now retains mostly for himself.

Now, to advance capital in a risky way (and co operation of the latter sort is, the agriculturist maintains, quite risky until success has been achieved or is assured) is not to the liking of our farming people. That is the point that it is hoped to overcome. There are, nevertheless, always a few in any sphere of life more advanced than others; and amongst our agriculturists there are some-a few-whose names carry weight, and who, I am happy to think, will be able ere long to make (as they are trying to do) such an impression as to bring about a satisfactory trial to the system of co-operation for the sale of farm produce. I shall watch the movement with great eagerness, as it must, if successful, have an effect-though small-on our import trade, whether from Canada, our other colonies, or from foreign nations. I purposely say nothing just now about the co-operative movement in Ireland, associated with the name of the Right Honorable Horace Plunkett, M.P., as the con ditions in Ireland are somewhat different from those in England. Mr. Plunkett, however, has during the past three years or so organized a system there which is fast spreading its wings over the land, and bids fair to bring that success for which the Irish farmer pines, and which no Home Rule Bill could bring him. He is on the right track, and he has as supporters men of all politics and all religions. That is as it should be.

Excessive Freight Rates.

The more the question of railway freight rates is looked into the more does it seemas if the Canadian producer, whether he be a farmer or a manufac turer, is not being justly treated by the railways of The disadvantage in which the this country. Canadian producer is placed regarding freight rates is more clearly seen, perhaps, when a comparison of the rates in the United States and Canada is made. In the former country the shipper has an immense advantage over the Canadian shipper in the way of cheap freight rates. So long as these cheap rates are confined to the railways in American territory, the competition is not felt so much on this side excepting when an export business is being done. But, when the United States shipper has the advantage not only of cheaper rates in his own country, but of cheaper rates on Canadian railways as well, the injustice to the Canadian producer becomes more flagrant.

The following letter, sent by The W. A. Freeman Co., Limited, Hamilton, Ont., to the District Freight Agent of the G.T.R. at Hamilton, has a direct bearing on this whole question, and shows the great disadvantage in which the Canadian shipper is placed as compared with the American shipper on railways running through Canadian territory :

DEAR SIR: The manufacturers in the United States have a great advantage over the manufacturers in our country in regard to freight rates. For example, the rate of freight from Hamilton to Windsor in less than carload lots is twenty-five and a-quarter cents per hundred pounds including cartage at this end. The rate from New York to Windsor is twenty-four cents per hundred pounds. Now we have to freight all our chemicals from New York and they are shipped again. To freight our materials from New York "under the commodity rate in full carloads" to our factory and complete the fertilizer and ship to London, Chatham or Windsor, it will cost us about \$2.50 to \$3 per ton more than if the American manufacturers shipped these same goods from New York to Windsor in small lots. You asked us twenty-five cents per hundred pounds freight rate on fertilizing materials from New York to Hamilton and the American dealers can ship from New York to Windsor the same kind ofgoods at twentyfour cents per hundred pounds and have some two hundred miles more to haul it.

There is a very wide difference between your carload rates and less than carload rates. For instance, from Hamilton to Windsor in full carload lots is thirteen cents per hundred pounds and in less than carload lots you add a fraction over eighty-five per cent, extra. The American roads charge engiteen cents per hundred pounds from New York to Windsor in full carload lots, and in less than carload lots they add only thirty three per cent, extra. You might say that your haul is much shorter which accounts for greater per cent, of cost in small lots. But from Hamilton to Montreal you add seventy-nine per cent to your carload rates for less than carload rates. From the goods which the American dealers ship into Canada you are willing to take your pro portion of the earnings. Why are you not willing to take the same from your own people? The freight rate on poultry grit from Concord, New Hampshire, to Toronto is eighteen cents per hundred pounds by the carload and in less than carload lots twenty cents per hundred pounds. This freight rate is given for Toronto, also Hamilton, and, if we should want to ship any grit from Hamilton to Toronto, you would tax us fourteen cents per hundred pounds. That leaves only six cents freight from Concord, New Hampshire, to Hamilton.

Itamilton. As we said before, you are willing to share up the freight rate with the people on the other side. Why should you not share up with the people on this side? It leaves us in a very awkward position to ship goods around through Canada on occount of our railroad system. The Americans have the advantage over us every time in this respect. Is there not some way for our railroad people to adjust these matters?

We would suggest that, if you cannot afford to lower your height rates to the manufacturers and shippers that live in the same country with you, you should increase the freight charges on goods shipped from the United States for destination in Canada, in order to equalize the difference between the freight rate that is made on the other side and the freight rate that our own railways make to the shippers of Canada. We don't ask any advantage, only we want to be put on a level with our friends on the other side. We do feel that it is a hardship for us to be treated in this way and would be pleased to hear your view of the matter.

Yours truly,

W. A. FREEMAN Co., Limited.

Hamilton, Jan. 31st, 1898.

In reply to this letter the district agent referred to, Mr. J. Pullen, stated that, at their general trathic meetings where freight rates are arranged, the other railways interested would not concur with the Grand Trunk in modifying these wrongs. If the Canadian shipper is being unjustly treated, and if there is a grievous wrong, as Mr. Pullen in his reply seems to admit, there surely must be some way of remedying the wrong independent of the great railway magnates of this continent. Why should corporations who have no particular interest in Canada be allowed to dictate what the neight rates should be from one point to another point in Canada on a railway over which they have no control? Are the great producing classes of this country to have imposed upon them excessive freight rates from local points to the larger centres because a foreign tribunal is not willing to agree to a :y change? If so, it is time that some higher power took a hand in the game, and would see to it that every corporation receiving a charter from the people shall deal equally and fairly by every class in the community.

But aside from the question of excessive local freights, the fact that a shipper can send goods from New York to Windsor at a cheaper rate than from Hamilton to Windsor is of more importance, perhaps, from a national point of view, as it places the Canadian manufacturer at a great disadvantage as compared with his American competitor. There is no reason whatever for grant ing a cheaper rate to the American shipper. The distance from New York to Windsor is about four times greater than from Hamilton to Windsor, and we would naturally expect to get a very much lower rate between the two latter points. But it would seem that the longer the distance the lower the rate. There is only the one loaJing and unloading to be done in each case, and, if the actual outlay in transporting a car of merchandise over the two distances were considered in estimating the freight charges, the rate for the shorter distance should be less than onehalf of what it is over the longer distance.

From all this it would seem as if the ground onwhich freight rates are based is entirely wrong and unjust. The question of distance does not appear to come into the calculation at all. The distance travelled is, however, the only fair basis for establishing freight rates, everything else considered. Of course, it is reasonable to expect a higher rate per mile for a shorter distance, because of the trouble and delay in loading and unloading. But aside from this, and the nature and amount of goods shipped, a uniform freight rate per mile is the only fair way. Until the rate war began the passenger rate on all Canadian railways was uniformly three cents per mile, no matter how great the distance. Railway freight rates should be arranged upon the same basis, and aside from the cost of loading and unloading, the same rate per mile, the nature and amount of the goods being considered, should be charged from Hamilton to Toronto as from Hamilton to Montreal. Until some plan of this kind is put in force the producing classes of this country will never get fair dealing in railway freight rates.

Should Wheat Speculation be Allowed.

Now that the big Leiter wheat corner has collapsed it may be well to consider to what extent the recent "boom" has helped the producer. Some weeks ago a Chicago paper attempted to prove that the farmers of the United States had made \$150,000,000 on their wheat as a result of Leiter's manipulation of the markets and that to this extent he was the farmers' benefactor. But such a contention is utterly fallacious. It is very doubt-ful if the farmers of the United States and Canada combined made a hundredth part of that amount as a result of Leiter's campaign. In the first place when Leiter's operations began to affect prices, the bulk of the wheat had left the farmers' granaries, and was in the hands of the middlemen. This latter class has been the chief gainer on ac-True, there are many count of the boom. farmers here and there who had a supply of wheat on hand, and were in a position to profit by the high prices, but the rank and file of the farming class were not in a position to derive any benefit from it.

But, in connection with a speculative boom, the after-effects must be considered when estimating the real effect such a scheme as this bas upon any class or section of the community. In the present instance, the after-effects have been disastrous, and will be felt more by the farmer than any one else perhaps when this season's crop is ready for market. If the "boom" had, continued till after this season's crop was harvested, then we might estimate the value of the boom to the farmer by hundreds of millions of dollars. The life of the Leiter campaign was only a few months, and at a time when the bulk of last season's crop was out of the farmers' hands; and it died a sudden death only a few weeks before the present season's crop was due. And is this not always the case? Speculation in food products, as a rule, never helps the producer. It usually occurs when the product is held in large quantities by those who are making a living out of the margins to be secured by manipulating the product on its transit from the producer to the consumer; and so it will ever be. The "bulls" will begin to operate, if they can, when the bulk of the product is out of the producers' hands, and, as soonas another crop is near at hand, the "bears" take a hand and endeavor to get prices down to as low an ebb as possible in order to secure the new crop or whatever it may be at such a price as will enable them to speculate with greater certainty of succes.

This great game goes on year after year and comparatively speaking benefits very few, and then it is a question whether in the long run it is a benefit at all or not. Then why should it be tolerated? Why should one individual be allowed to obtain such control of the world's wheat supplies as to cause starvation and misery among the poorer classes of Europe? Nearly all lines of trade have been disarranged. Many fortunes have been lost, and to day the condition of the great producing and consuming classes of two continents is no better, if not worse, than before the boom began. Many dealers are now loaded up with wheat bought at high prices upon which thousands of dollars will be lost. If no fictitious values had been created, and if the world's wheat markets had been left to regulate themselves as the supply and demand would warrant, these dealers would be in a better position to deal in the coming crop, whereas, now their losses will prevent them buying to as great an extent as formerly. It will be to their interest now to "bear" the market and get the new crop from the farmer as cheaply as possible in order to recoup themselves for the losses sustained in connection with the boom.

All things considered, every line of trade would be in a much better condition if the speculative element did not enter into its transactions. True. there may be advantages to a trade through speculation, but they are so much outweighed by the disadvantages as to make a boom of any kind a positive and lasting injury. Many claim that speculation makes trading lively and induces many to engage in it who otherwise would not do so. But even so, if it is of no material benefit to the people at large, why should it be countenanced ? It would be better for every trade if laws were enacted that would prevent speculation of any kind in the world's food supply, and especially such speculation as has originated the greatest wheat corner in the world's history. Business would then be done on a surer basis a basis of supply and demand, and no one would begrudge the le, itimate middleman a fair margin for handling the product. But when, as is now the case, there are hundreds of speculative "sharks" on the way from the producer to the consumer ready to pounce upon the product and exact an unjust profit, it is time something was done to remedy the evil.

No Pleuro-Pneumonia in Great Britain.

The annual report of the Veterinary Department of the Board of Agriculture for Great Britain has been recently issued. It treats of the work of that department in stamping out contagious discases among live stock. One of the important items in the report is that pleuro-pneumonia in the United Kingdom is, to all intents and purposes, suppressed. Our readers will remember the interest in this subject a few years ago, when the embargo was put upon Canadian cattle. British live stock dealers claim that this disease was brought into Britain through animals imported from other countries, and they consequently took the necessary precaution to prevent the bringing in of diseased animals. While it is true that the disease was carried to England by cattle from other lands, it is also true that, while pleuropneumonia was prevalent there, the disease was carried to other countries to which imported stock from England was sent. So, if it is gratifying to the British live stock trade to know that there is no more pleuro pneumonia among their herds, it will be equally gratifying to stockmen in the colonies and elsewhere, who import largely of pure-bred stock from England. The report further points out that there is no record of pleuropneumonia having been introduced into any country in the world except by the importation of a diseased living animal.

Shire Horse Breeding in England.

The Shire Horse Society of England is coming in for some criticism just now regarding the effect

it has in producing a better class of Sh re horses among the English farmers. The society has been in existence for twenty years, and it is claimed that it is time now to estimate results. Complaint is made that there is a scarcity of good geldings in the country, and that too many stallions of an inferior grade are travelling through it. These are used by the tenant farmers, who are the largest producers of heavy horses, because they are cheaper than the highest type of stallions. Again, it is claimed that the very best stallions, for whose services the fee is Lio to Lis, do not travel through the country, and are in consequence not used by the tenant farmer. Besides, the fee is considered to be too high, and the average tenant farmer prefers a cheaper horse. In this way it is claimed that the society has not accomplished much. But the fault really seems to be with the farmers themselves, who use the cheaper stallions, and, even if the stallion is all right, have not the highest types of breeding mares. This seems to be the case in Canada to a large extent. Many mares used for breeding purposes are not of the highest type, and, though the best stallion is used, the finest type of horse will not result. The results are infim. ly worse if both the stallion and the mare are of inferior quality.

U.S. Agricultural Exports Show a Large Increase.

Never before has the United States received as much money for exports as during the year which will end on June 30th. Reports received at the U.S. Bureau of Statistics regarding May exportations make it tolerably certain that the total agricultural exports for the present fiscal year will considerably exceed \$800,000,000. The greatest total at any previous time was in 1892, when the amount was \$799,328,232. Only twice before have the total agricultural exports reached \$700,-000,000, and these were in 1881 and 1892. The increase in exports of agricultural products this year will be fully \$150,000,000 more than for the last fiscal year , \$250,000,000 more than for two years ago, and fully fifty per cent. more than for the fiscal year 1895.

In breadstuffs alone the exports of the year will amount to nearly $3_{13,000,000}$, and will be more than 100,000,000 in excess of last year's exports of breadstuffs. Nearly all kinds of breadstuffs show an increase. The value of the exports of wheat for the present fiscal year will be more than double that of last year. The increase in flour and corn will be nearly fifty per cent. in value. The total exports of provisions (including beet, hog and dairy products) will likely reach 100,000,000. The biggest increase is in hog products, which will be upwards of 10,000,000 more than last year. Lard alone shows an increase of fully 30,000,000 over last year. The exports of beef cattle will show an increase. The value of these exports for the first ten months of the present fiscal year is 32,352,833, against 228,866,703last year for the same period. The exports of beef, either fresh, canned or salted, do not show an increase. Salted beef shows a falling off of 35 per cent. for the year, and canned beef dropped from 46,349,006 lbs. in the ten months of the present fiscal year.

Organized Agriculture in France and Germany.

The Agrarian Union of Germany and the French agricultural syndicates wield a powerful influence with the Governments of these countries. The German Agrarian Union in twenty-five provincial associations now numbers over 4,700 agricultural societies and over 100,000 members. This union controls legislation largely in the interests of the farmers against the commercial interests. Its influence is much the same as the French syndicates in France. There the 100,000 members demand a duty of \$50 on American horses, and get it, and, when wheat was low, in like manner got high duty on wheat; which was

only abolished when the recent high prices were likely to cause trouble among the wheat consumers of France.

As one would naturally expect, these powerful organizations wield a great influence with the Governments of the day, and, consequently, liberal grants are made each year to improve agriculture and live stock. Horse breeding, more particularly, is given every encouragement. State breeding studs are established in various sections of the country, and liberal prizes given at the leading shows. Expert supervision and veterinary inspection of all stallions allowed for public service is established, and farmers encouraged to breed only the best class of horses. In this regard both Germany and France set a good example for Canadians.

Sugar Beets for Lambs.

Sugar beets are likely to be put to a new use. The people of certain portions of Texas are now shipping to the market what they call "sugar lambs." These lambs are fed on sugar beets, sugar beet pulp, and finally finished on corn. This feed is said to give a flavor to the young mutton, which is superior to that produced by any other feed known. The lambs prepared as above bring from five to ten cents per hundred lbs. more in the market than when prepared in any other way. In Texas sugar beets bring at the factory \$4 a ton, and sheep men from the Pecos Valley say that the beets used for fattening the lambs are really worth \$4.50 to \$6 per ton. As a result of this new in-dustry there will be hundreds of acres more of beets planted this year than last season. In some of the Western States, notably in Northern Colorado, lamb feeders are particularly anxious to secure a supply of sugar beets for next fall's feeding.

This subject is of vital importance to Canadian sheep feeders. Sugar beets can be easily grown here, and if they will do what is claimed for them in the way of producing a finely flavored mutton it will pay our farmers to give attention to the matter. Moreover, if the sugar beet pulp will serve the same purpose as the sugar beet, the fattening of lambs in connection with a sugar beet factory would be a profitable adjunct. It would, perhaps, make a sugar beet factory a profitable concert. even if the present low prices for sugar continue.

Wool in England.

The Canadian wool-grower is not the only one who is feeling the effects of the wool depression. A writer in *The English Farmer and Stockbreeder*, writing from Bradford, the centre of the English wool and textile trade, says: "Dealing specially with English growths, nothing but a desperate state can be chronicled, and, when compared with a month ago, prices are again weak and lower. Local dealers and merchanis are full of stock, not because they are unwilling to sell, but because they never get the chance. This condition of things has prevailed with more or less severity since last July, and there are to-day large quantities of wool which were piled up at that date, and have never been stirred since."

This may be taken as a pretty accurate description of what the present condition of the English wool trade is. The price asked for what are technically known as Lincoln hoggs and wethers is 834 d. With the exception of a short time in 1892, when Lincoln wethers were at 81/2 d. per pound, all English and Irish wool is lower in price this season than at any other time in the history of man. The consumption for coarse wools is almost entirely gone, fashion having completely changed on to fine-grown wools. This seems to be the contention here also. The demand for coarse wools has very much decreased of late, and in the United States, our chief market for wools, only the fine-grown varieties are wanted.

JAMES JACKSON, Scugog, Ont., writes : "We look forward every week to the arrival of FARMING with interest, as it is an up to date paper."

RAY-MAKING NOTES.

No specific rules can be laid down for making hay. There are so many conditions to be considered, such as the weather and the heaviness or lightness of the crop, that no definite plan can be adopted throughout. One of the chief points in which many farmers fail is in not commencing to cut hay soon enough, especially when there is a large area to be covered. If a large crop is to be taken off, cutting should be commenced soon enough to enable the whole lot to be cut before the last field is too ripe. Very often the fall wheat harvest comes on before the hay is all cut, with the result that a field or two have to be left till after the wheat is in the barn. When such is the case, this overripened hay is not of much more value than good straw as a food.

Clover should be cut as soon after the full bloom as the weather will permit. It is much more difficult to cure clover than timothy hay. Clover should never he cut when wet or when the dew is on, as it will dry off better standing than when cut down. The time required for curing clover will depend largely upon the weather and the condition of the crop. A writer in The Rural New Yorker gives his method of making clover hay as follows:

"Supposing the weather promises fair and all is in readiness, I start the mower after the clover has become dry in the forenoon, if I an likely to be rashed, if not, I do not start till the afternoon, and cut until night. The next day, about 11 o'clock, I start the telder with the rake, and cock up in not very large cocks; I let these remain the next day, while I repeat the operation of making more. The next day I simply turn over the cocks so The day I simply turn over next day I simply turn over the cocks so that the air may circulate and dry the bottom of the heap, and haul to the barn at once. Just here, many make a mistake. This hay hat I have so made does not seem dry, but sticky; but, never fear; haul it in to the mow, tramp solid, and it will come out ideal hay, not being discolored --purple blossoms and green leaves adhering to the stems."

This plan should work well only there seems to be extra labor involved in putting the hay in cocks. It may he wise in the case of clover hay to do so, especially if it is to be stacked, but farmers having hay loaders would not care to take the trouble to put the hay in cocks and then spread them out for loading on the wagon

There are differences of opinion as to the best time to cut timothy. Some authorities claim that it should be cut when in the first bloom and others not till after the second bloom has appeared as then there will be more

ght and greater bulk. But bulk or weight is not the main thing. The chief thing in hay making is to get as palatable a food as possible. And this can be better secured where the timothy is cut a little on the early side.

DO NOT STOP THE CULTIVATOR.

As a rule, as soon as hay-making and harvesting begin, the cultivator is thrown aside, and the roots, corn, etc., are left to look after themselves. True, the bulk of the cultivating and weeding should be done before the harvesting or haying begins; but the cultivator may be kept going till nearly the end of harvest, and it may pay to lay off from harvesting half a day in order to run the cultivator through the corn run the cultivator through the corn in this country as to the use of preservatives crop. Corn is one of the most valuable in butter, and it looks as if we are likely to

fodder crops on the farm, and its have shortly a law passed which will prohibit periods of less than ten days to be worked value will depend largely upon the de-gree of maturity it has attained when use of preservatives altogether, and the use of boracic acid will have to be discon-in the case of cows obtaining the same gree of maturity it has attained when the autumn frosts appear. Cultivation with a light cultivator, at least, until the tassels begin to appear.

Roots will also thrive better under frequent cultivation. A loosening of the soil around the plant enables it to take in nourishment and moisture from the atmosphere, and especially is this true of the corn plant. And so, though having and harvesting is a busy time, the farmer cannot afford to stop the cultivator altogether. Neglect at this juncture, when the plants may need attention, will materially lessen the value of the corn crop for ensilage or feeding purposes.

THE KIND OF BUTTER WANTED IN ENGLAND.

Ill., Dairy Report from Hodgson Bros., Liverpool, England, will be of interest to Canadian dairymen ·

We have pleasure in acceding to your re-quest, and if you can persuade the farmers or factorymen in your centre, or where your paper circulates, to adopt our suggestions, we think they would find the result in the end very savisfactory. In the British market there very savisfactory. In the British market there is an almost unlimited outlet for dairy produce, especially butter. In latter years Denmark has been the chief source of supply for finest qualities, augmented by shipments from Aus-tralia, and by the home make in Ireland, and —to a smaller degree—by imports from Can-ada. The Canadians, during the last few years, have been specially catering for this trade, and they have had a large measure of success They are learning the lesson that if they are to gain the top price they must send they are to gain the top price they must send their produce forward week by week, while it is stricily choice and fresh. The package that is most in favor is the square box contain-ing fifty-six pounds net, and the butter should up parchment lined, lightly salted be put (just sufficient to preserve the butter), and of ry pale color. The great objection to States butter, especi-

ally for finest grades, has been the large per-centage of coloring matter, and we cannot too strongly impress upon Americans that the English public must have pale butter, the paler the better, though not dead white -- and, of course, must have it perfectly fresh. We are so well looked after here that we can afford to be particular, and will only have the best of goods, for which we are willing to pay. Butter that is held over, and when it arrives here shows any staleness in flavor, is at once depreciated in value 10°, to 20°, per cwt. from the price of absolutely fresh-made goeds.

At the present moment values are low. Fancy Denish quoted only up to 90s. to 92s. and Canadian up to 84s. Of course, later in and Canadian up to 84s. Of course, later in the season better prices will prevail. For medium grade butter we have learned

to look for a large source of our supply to the States, and it looks as if we shall have to continue importing from there for some time to come. Most of this undergrade butter is used for confectionery purposes, such as biscuit and cake making, and large quantities can be taken. It is a matter of indifference whether the goods are put up in boxes (as mentioned above) or in the tub containing from sixty to sixty-five pounds net. This grade of butter can take a little more salt, and the color is not a matter of so much importance, although on the whole the pale butter is the more saleable, but people on your side must learn to make an article containing less water. The authorities are becoming nore particular here, and look like thing a standard as to the per-centage of water that lutter will be allowed to contain. The great thing is to send the butier sweet and solid. These are two points to remember, solidity and sweetness, and the man who pays attention to them is the one who will get most for the article he puts up.

There has been considerable outcry lately

tinued.

There is a demand here for medium-grade and loosening the soil around the corn plant assists its growth and gives it a better chance to mature. Corn should he cultivated, if possible, once a week, with a liant assist unlimited outlet. The chief place for the close touch with all the large manufacturing and is the port of Liverpool, which is in close touch with all the large manufacturing and is the port of the direct of population, and is the port of the direct of the direct of the direct and is the port of the direct of the direct of the direct and is the port of the direct of the direct of the direct and is the port of the direct of the direct of the direct and is the port of the direct of and is far and away the best place for the dis-

tribution of the goods. If you can induce the dairymen of your district to pay attention to the points to which we have referred, we have little hesitation is saying that the result will more than pay them for the extra trouble in putting up a first-class article suitable for the requirements of the English market.

HODGSON BROS. Liverpool, Eng., June 1st, 1898.

488 TESTING MILK AT THE FAIRS.

During the last few weeks we have given considerable attention to the question of "Milk Tests at the Fairs." In this connection it will be interesting to note the methods of conducting tests in Great Britain. At a recent meeting of the British Dairy Farmers' The following letter to the Elgin, Association the following scale of points was adopted for awarding prizes at the milking competition to be held at London, 1 ng., on October 18th, 19th, 20th, and 21st next :

" One point for every ten days since calving, deducting the first forty days, with a maximum of fourteen points. "One point for every pound of milk, tak-

ing the average of two days' yield Twenty points for every pound of butter-

fat produced. Four points for every pound of 'solids

other than fat.' Ten points shall be deducted each time the solids other than fat fall below 8.5 per cent.

"Ten points shall be deducted each time the fat is below three per cent.

This scale of points is practically the same as that used at the milking tests here with the exception of deducting ten points for each time the percentage of solids not fat fall below 8 5. The maximum allowed for days in milk is lower. This method of awarding the prizes in a milking competition seems to meet the wishes of the English dairy breeders, as with slight modification this scale of points has been used for years. At the Pro-vincial Fat Stock and Dairy Show, to be held in Brantford this fall, the pounds of milk will not be considered in making up the total score, excepting in estimating the pounds of solids in the milk.

Another interesting feature of the London Dairy Show will be a test of cows for butter production, and which might be copied by some of the exhihitions here to advantage. It would be a great educational fecture of a show to have cows milked on the spot and the milk separated and made into butter in the presence of the visitors. The farmer would better understand the value of a cow, if he saw how much butter she made per day, than in knowing what percentage of fat she gave. Such a feature could be made an object lesson, not only in showing the value of different breeds of cows for butter making, but in showing how milk should be handled and worked in order to make good butter. The following is the scale of points for awarding the prize in the butter test :

One point for every ounce of butter ; one point for every completed ten days since calv-ing, deducting the first forty days. Maximum allowance for period of lactation, 12 points.

In the case of cows obtaining the same number of points, the prizes to be awarded to the cow that has been the longest time in milk.

No prizes to be given in the case of

(a) Cows under five years old failing to obtain 28 points. (b) Cows five years old and over failing to obtain 32 points.

Nam 32 points. NOTR.—In Mr. George Rice's letter in last NOTE.—In Mr. George Rice's letter in last week's issue the clause, "testing 2.5 per cent. of fat and 9 per cent. of solids not fat" should have read "testing: 3.5 per cent. of fat, etc." Owing to a typographical error the mistake occurred.—EDITOR.

FEEDING MILLET TO HORSES.

Two tests have been made with horses at the No th Dakota Station to study the effect of feeding millet as a coarse fodder. In the first trial two geldings in good health were fed hay and grain for about two weeks. Millet was then substituted for hay for about ten days. The same ration as at the beginning was then fed for four days. The temperature of the air, the temperature of the horses, the amount of food and water consumed, the weight of the horses, and the amount of urine excreted were determined. During a number of days the specific gravity, and in some cases the total solids, nitrogen, and ash in the urine were All the horses were determined. driven daily for exercise.

The second test was similar to the first, and was made with two mares. One of the mares became very lame and could hardly stand, and suffered from time to time from retention of the urine. She was killed and a postmortem examination of the carcass was made. The other mare did not show as marked symptoms during the test. However, when fed millet for about three months, she would become so lame in the joints of the hind legs that it was almost impossible for her to walk. When feeding millet was discontinued she would recover. The lameness was again produced by millet feeding. After about two years of alternate periods of millet and hay feeding she became practically worthless. Circular letters were sent out to farmers asking for information concerning millet feeding for horses. A number of replies were received. The following conclusions were arrived at : Feeding millet alone as coarse fodder is injurious to horses. It produces an in-creased action of the kidneys and causes lameness and swelling of the joints. It causes an infusion of blood into the joints and destroys the texture of the bone, rendering it soft and less tenacious, so that the ligaments and muscles are easily torn loose. The experience of many farmers confirms the experiments.—Exchange.

CARE OF YOUNG LIVE STOCK.

There is not enough thought given to the young things on the farm. It is considered that they should grow without care. In too many cases the weanlings are almost as wild as though they were not included among domestic animals. In the case of pigs, lambs and calves it is advisable that they should be given a little meal or small grain, such as oats, rye and corn mixed, as soon as they will take it. It is surprising to note the avidity of pigs Fractions of ounces of butter and incomplete with sweet pure slops made from meal

dence acquired by the time their much that they kept in fine condition, the head and face and turning it loose. mother discards them is highly gratify and the lambs made a good growth. Every louse will be destroyed. Do ing. By a gradual increase of the The latter weighed one hundred and this once a week until you are satisfied ration of grain or ground food, the thirty pounds on an average when sold that your object is accomplished. youngsters are weaned without any re- at less than one year old, and they Always anoint heads with a little meltverses in their progress of growth. The brought at the experiment station five ed lard or vaseline each time. When feeding process requires familiarity and a half cents per pound live weight. you actually deluge the poultry-house with humanity, and relieves the young creatures of any fear. The advantages of gentleness among the domestic animals are too many to be enumerated. Providing a well-balanced ration is also desirable. The framework of meat-producing stock and the organs of digestion and assimilation are better maintained by a moderate grain ration together, sorghum and dwarf Essex the work necessary for cleaning the once daily for the thrifty growing rape. The sheep were pastured on premises of their presence must be youngsters. The quality of the meat these in turn. The winter rye furnished done as regularly as cleaning a stable, when it goes on the market will be an excellent bite for fall and spring. enough better to more than meet the Next came a plat of peas, oats and way to get rid of lice is to first deluge additional expense. With a half ration rape sown together. This plat was the house with the kerosene emulsion. of grain once a day, a larger number of eaten down three times. After these young things may be grazed on a given came corn and rape. The corn and Then once a week the house may be number of acres. This permits in-rape furnished an excellent food. The lightly sprayed with the emulsion. creasing the amount of live stock; or, sheep were put on to it when it was Always dust with air-slaked lime after

is particularly needful that they be ghum followed. And rape followed quire only ten minutes' time.-Poultry provided while grazing with dry hay, sorghum. Thus the sheep had abund- Keeper. straw or fodder, which will enable ant supplies of food during all the them to leave at any time the grass season. When the forage was wet from and relieve a discomfort of bloating by eating the dry provender. Only a small quantity of this is required to This system of growing forage for prevent many of the serious ills which sheep will some day be adopted in all come to the pasture ground. Con- arable sections of the United States, inches long, six inches wide and six venient access to drinking water must that is to say, it will be adopted in a inches deep. Cut a hole in the bothe provided. If there is not a flow from a natural stream, if possible sheep will sow one or more kinds of of a lamp chimney, and a hole op-nature's liquid should come from a pasture for them to tide them over the posite in the top just large enough to deep well. As a rule, it is not advisa- dry period that ble to spar, expense in having numer- spring months. ous tanks or lengthy troughs, which will enable the timid to satisfy as promptly as their stronger fellows.

The returning prosperity of business warrants extra attention to the colts. Four or five years from this time, the tiny colt of this season will be in de- the succulence of the food. (3) The 'ready for business. Light the lamp, mand. The requirements of a mature system is death to every form of weed place the tester in position, and the

familiar with men, women and children, as well as many other things with which, as a mature animal, it will come adopting such a system generally could in contact. At six months of age it should be as fearless of ordinary sights and sounds as it ever need be. A few under cultivation. moments' patient attention to these details daily will accomplish all that is desired for the future welfare of the little fellows whom we are prone to neglect when they most need the teaching which their docility permits .-Farm, Field and Fireside.

FORAGE FOR SHEEP. By PROF. THOMAS SHAW.

forage for sheep is yet in its beginnings. emulsion, thoroughly saturating the For the past two seasons we have floor, walls, roosts, nests, yards, fences, pastured sheep at our State farm on etc., lice will be destroyed, yet it is not forage grown thus, and with very much an easy matter to get the lice comsuccess. with a sandy and gravelly subsoil we Dipping them in the emulsion is not pastured eighty-six head of sheep and satisfactory, for unless extra care is on the native sod is best. lambs from May 1 to' November 5. taken that the emulsion is perfect (no The major portion of the soil had not free kerosene) the hens will come in one grown animal on one and one half been given any manure for years, al- contact with the kerosene which floats acres is incomplete. though cropped every season for at on the top, if unmixed, which is very 8. That level cult least six successive years. In addition irritating to their bodies. To avoid to the forage thus furnished, nine ton this, have an assistant hold the fowl by of cured food and six tons of green the legs, head down, and spray the ommended when the land is first in

duce.

clover, winter rye, corn and rape grown rain the sheep were pastured on the grass. Movable fences were used.

to furnish an abundant growth in a exposed to view. normal season. Minnesota alone by grow all the sheep in the United States without using one acre of land now

SPRAYING TO DESTROY LICE.

Every reader knows the composition of kerosene emulsion, as it has been the farm. given repeatedly, and many of them 2 To maintain the fertility of the have had experience in the work of soil without grass is practically imspraying. Now, kerosene emulsion is possible. sure death to lice, and is much cheaper than unadulterated kerosene. While farm should be under plow at one it is understood that by spraying the time. The question of growing summer poultry-house twice a week with the On ten acres of light soil pletely off the bodies of the hens. pasture. food were taken from the same land. emulsion well into the feathers, com- good order.

One of the lambs served at the din- with solutions for destroying lice, and ing rooms of the Commercial Club in finish a hard day's work in so doing, St. Paul, was pronounced by good you must not conclude that you have judges of the very highest quality, as settled the lice problem. Those who good as the best that England can pro- combat lice make only a partial attempt. There is no such thing as getting rid. The chief of the foods grown were of lice by one effort. Lice must be kept out; and, as they multiply rapidly, though not so frequently. The easiest In two or three days deluge it again. on the other hand, the increase of the about a foot high. The weak point of the house has dried off. If this is done acreage of the farm for grain. In the case of calves and lambs, it again. After the corn and rape, sor-lice will be a simple matter, and re-

A HANDY EGG TESTER.

To make an egg tester to use with a common lamp, follow these directions as given in the Fanciers' Review: Take a pasteboard box about seven modified form. Farmers who keep tom big enough to fit the large part dry period that usually follows the let the top of the chimney through. The advantages of Next cut a hole about the shape of an the system include the following: (1) egg, but rather smaller, in one end, so It enables the farmer to keep a much that it will be opposite to the lamp larger number of sheep than it would flame when the tester is slipped over be possib¹ in the absence of such the chimney. Now cover the box outforage. (2) It enables him to grow a side with any dull, black cloth, so that better quality of mutton because of no light can get through, and you are horse at that time will date back to the growth. (4) It does not impair the egg to be tested over the oval opening present. (5) The crop in the side. Turn it gently as you It should be made thoroughly that follows such depasturing is sure look, and its condition will be clearly

FARM NOTES.

The Delaware County, N.Y., Farmers' Institute, recently adopted the following as expressing the minds of those present as to the best work on the farm :

1. That grass is the best crop on

3. That no more than one third the

4. That a rotation of crop for six years is the best for our county.

5. The rotation shall be as follows : Two years in corn, one year in oats, two years in meadow, one year in Jan., 1899, for only One Dollar.

6. That a permanent pasture made

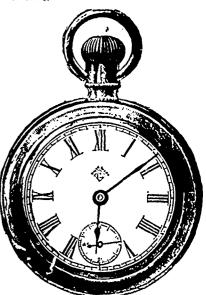
7. A pasture that will not pasture

8. That level culture in corn is prefcrable.

9. That shallow cultivation is rec-

and shipped stuffs, and the indepen- The sheep had plenty of food, inso- pletely saturating the bird, wiping off There is Nothing Better

For a gift to your boy than a real, genuine watch-one of which he may justly feel proud, and which will be a source of pleasure and of usefulness to him for years to come.



This Watch Free For Three New Yearly Subscriptions

All that is necessary in order to secure this handsome nickel watch is to send us the names of three new yearly subscribers with the money to pay for same. On receipt we will at once forward the watch, securely packed, carriage paid, and free of all other expense to the sender.

A score of boys have already been made happy in the possession of this watch as the result of a few hours' pleasant canvass amongst their friends. Who will be the next? For a full description of the watch see our issue of May 17. A copy of it will be sent free to any one applying for it.

Two Dollars for One

DR. CARLIN'S UNIVERSAL RECEIPT BOOK AND HOUSEHOLD PHYSICIAN. A compendium of practical information such as every farmer, every stock-keeper and every mother needs. Contains more than 6,000 valuable receipts. Full information as to the care and management of horses. cattle, sheep, swine, becs, poultry, birds and plants. Rules for the care of the sick, with remedies for all ordinary diseases. Index of symptoms. Index of remedies. Lists of medicines, how to prepare them and how to administer them. The selection of food, the best manner of preparing it, what should and should not be used under certain conditions, all based on the excellent medical instructions given. No family should be without it. This invaluable book will be sent

Free with FARMING until 1st

For list of other valuable and useful premiums see our issue for May 24th. Remember all premium offers in that issue are still good. Agents wanted, to whom liberal terms are offered. Address

> FARMING 44-46 Richmond St. West TORONTO, Ont.

The Ontario Agricultural Gazette

The Official Bulletin of the Dominion Cattle, Sheep, and Swine Breeders' Associations, and of the Farmers' Institute System of the Province of Ontario.

THE DOMINION CATTLE, SHEEP, AND SWINE BREEDERS' ASSOCIATIONS.

Annual Membership Fees -- Cattle Breeders' \$1 ; Sheep Breeders', \$1 ; Swine Breeders', \$2.

BENEFITS OF MEMBERSHIP.

Bach member receives a free copy of each publication issued by the Association to which he belong, during the year in which he is a member. In the case of the Swine Breeders' Association this includes a copy of the Swine Record.

A member of the Swine Breeders' Association is allowed to register pigs at 500 per head; non-members are charged \$1.00 per head.

A member of the Sheep Breeders Association is allowed to register sheep at 50c, per head, while non-members are charged \$1.00.

The name and address of each member, and the stock he has for sale, are published once a month. Over 20,000 copies of this directory are mailed monthly. Copies are sent to each Agricultural College and each Experiment Station in Canada and the United States, also to prominent breeders and probable buyers resulent in Canada, the United States and elsewh re

A member of an Association will only be allowed to advertise stock corresponding to the Association to which he belongs; that is, to advertise cattle he must be a member of the Dominion Cattle Breeders Association, to advertise sheep he must be a member of the Dominion Sheep Breed as 'Association, and to advertise swine he must be a member of the Dominion Step Breed as 'Association, and to advertise swine he must be a member of the Dominion Step Breed as 'Association, and to advertise store the Dominion Swine Breeders' Association.

The list of cattle, sheep, and swine for sale will be published in the third issue of each mouth. Members having stock for sale, in order that they may be included in the Bazette, are required to publish the under signed by letter on or before the oth of each month, of the number, breed, age, and sex of the animals. Should a member fail to do this his name will not appear i that issue. The data will be published in the most condensea form

F. W. Hopson, Secretary. Parliament Buildings Toronto, Ont.

Farmers' Institute Department. has been stated that the farmer who

Reports concerning the work of the Farmers' In stitutes in Ontario will be published weekly under this head; also papers prepared for this department by Institute workers. Secretaries and officers basing an-nouncements to make are invited to send full particu-lars to the Superintendent.

GRAIN FARMING vs. DAIRYING.

By Jospin E. Gourn. GRAIN GROWING.

Under this head I do not class farmers who are engaged in mixed farming, nor do I include those who keep a couple of cows to make butter for their own use, but those who grow grain and cart it to the market expecting to get their chief returns therefrom. We are sowing to-day the same varieties of grains that were sown 300 years, yes, a thousand years ago. Forty years ago the farmer in this section grew from thirty to fifty bushels of fall wheat to the acre, and sold it at from \$1.25 to \$1.50 per bushel. What is being done now? Take the statistics for 1895 and we find the average yield of wheat for Ontario is less than fifteen bushels per acre, which was sold for less than seventy cents per bushel. Ask your selves if this is a march in the right direction. Let us consider this de- law of supply and demand regulates put on the English market branded for his returns. And he never knew plorable state of affairs for a moment the price. We cannot affect the price "Canadian Cheese" it sells readily, with any degree of certainty what he and see if we can find the cause thereof. First, as to the yield. Forty years ago when this section was settled the land was new, nature had been storing up the fertility of the soil for centuries. Once the land was cleared it was only necessary to tickle the soil with a plow, and it responded with abundant crops of golden grain. But we have been Have we sold the improvident. fertility in handfuls ? No, we carted it away in wagon loads of wheat to feed the hungry; in wagon loads of barley to quench the thirst of the thirsty, and in wagon loads of rye to raise the spirits of the same ; so that there is no longer the necessary plant food left in the soil to nourish the seed and carry it forward to a successful harvest. Continued cropping and selling the crop without any return to the soil have so exhausted the plant food that the inevitable result has followed. It companies and interest sharpers.

seat himself at the table, a waiter comes forward with a bill of fare, the brings him his food, and when he has finished he foots the bill. Now the man at the table represents England, world are more or less the waiters. borty years ago the only countries of consequence exporting grain were Russia and the United States. Lately other countries have gone into the business, India, Argen tine Republic, Uruguay, our great North-west, and some other countries table demanded (the average yearly, 1891 to 1895) 350,000,000 bushels of wheat in addition to all he grew. During that period we in Canada sup plied only an average of 10,000,000 bushels annually. Now I ask you what chance we have to affect the price even should we, on the one hand, double our output, or, on the other hand, not ship a single bushel. as our contribution to the vast amount is so small. Did you ever figure the cost of growing an acre of grain? I have, but I give you D. M. McPherson's estimate He is an authority on cost at \$10.00 per acre. If we take the average yield for 1895 at fifteen bushels of wheat (and the report says less), and the price at seventy cents (and we didn't realize that), we have the sales of the acre of wheat amounting to \$10.50, an apparent margin of fifty cents after paying expenses. But this is only an apparent margin, as we have growing is a losing speculation and unless a radical change is made the Sheriff

DAIRVING.

tion. bred as a racehorse. The slab-covered fence has given place to the modern cow palace, with its summer temperature and thorough ventilation, ensilage, clover hay, and abundance of suitable fodder, giving the cow summer conditions the year around, has taken the place of the straw stack and the browse in the woods. The seven months' the same time. Education along these lines has kept pace with other callings. Cheese and butter, in the creameries, follows these lines sells annually eight are now made on scientific principles, per cent of his land. These are the and there is no chance of failure in causes of the decline in yield. Second, making good articles, except carelessworked wonders in the education of success. man gives his order and the waiter followed. At the Chicago Exhibition instead of exhausting the land. Canada took 94 per cent. of the prizes in cheese, and did nearly as well in creamery butter. And why should we and nearly every country in the not? We have the best country in the He commences to cultivate the ground world for dairyu, a country with a as soon as the past year's crop is in goo climate, a country free from con- the barn to get ready for the next tagious diseases, from violent storms year's crop ; he works continually unand floods which cause destruction of til the frost stops him; he is then idle life and property in other climes, a for about five months, and has to spend hardy and intelligent class of citizens, a great part of his time sitting around and the best water in the world. The the house, the village grocery, or someman at the table demands annually, in times in the bar-room. When he gets to a smaller extent. The man at the addition to what he produces, nearly on the land in the spring he again \$30,000,000 worth of cheese, and we works until the harvest is ended. in Canada furnish him with about 52 has all the vicissitudes of nature to per cent., or about \$15,000,000 of contend with-late spring, too early a what he buys How is this brought spring and followed by frost, spring too about? The government has passed wet or too dry, summer ditto, occa wise legislation prohibiting the manufacture for export of filled or skimmed ling the grain crop, and many other milk cheese, so that none but firstclass goods are allowed to be exported. all these and has a good crop, he has The The result is that when our cheese is had to work and wait for twelve months because no person in England ever was likely to realize until the grain was bought a pound of poor Canadian sold and delivered. With dairying, on cheese.

have not been so satisfactory, and the changes of weather. He can under agricultural subjects. He places the reason is not hard to see. I have no almost any conditions grow sufficient doubt that there are some ladies fodder to feed his cows. The feed is who make as good butter as is made his raw material and the cow is his main the creamery, but where there is chine. He delivers his raw material one such the country over, there are to his machine in the morning and the nine who do not The fault lies large- machine deposits the product in the ly with the merchant who pays the pail at night, and he knows the mar-same price for good, indifferent and ket value of it. He can thus regulate bad butter. These are all mixed to his expenses by his income, and does gether by the shipper and shipped in not have to run in debt ; and, if he has sold from \$4.50 to \$5.00 worth of hot cars and hotter holds of vessels, a mortgage to lift, he can lay by each fertility. We see, therefore, that grain and, when it arrives in England and is month the amount necessary to meet put on the market as "Canadian but- the engagement when it fails due. His ter," it is a guarantee of its quality, employment contin les the year round, will change the occupant of the farm, for it is not fit for wagon grease. How no loafing around the bar-room or the as he has already done in hundreds of ever, a brighter era is dawning. The corner store, but continuous occupacases, and hand over the land to loan Dominion Government have complet- tion with the satisfaction that he sees

means our creamery butter (and no Now, let us turn our attention to a on the market of England in the same more inviting subject, dairying, and condition in which it leaves the note the progress in that branch of creamery. The man at the table deagriculture during the present general mands \$56,000,000 worth of butter in The old brindle cow has given addition to his own product. Denplace to the dairy animal as finely mark supplies about 44 per cent. of that amount. Our percentage is very shed and the leeward side of a snake small. In 1895 we shipped \$860,000 worth, but in 1896 we had more than doubled our output (\$1,890,000). This is a very small percentage of the \$56,-000,000 paid by England for this com modity. There is no reason why we in Canada should not make as good a showing in butter as we do in cheese. We can and do make in our creammilker, with five months' rest and about eries as good butter as is made in the 75 pounds of butter a year, has given world, and with a system of cold stor-place to the 10^{12} months' milker with age it only requires more cows and from 350 to 450 pounds of butter in more creameries to effect the result. To sum the whole matter up, grain growing as I have shown you is a losing occupation and will continue to be so; whereas dairying, if conducted with skill, intelligence, and industry, keeping none but paying cows, weedif you go into a modern hotel during ness and incompetency on the part of ing out all unprofitable servants, and room at meal time you will see a man the maker. Paternal governments have feeding judiciously, is a sure road to It enriches the soil and the dairymen and the sure result has enables the farm to grow heavier crops

Another most important thing to be considered is that the grain-growing farmer has so much to contend with. He sionally thunderstorms and wind level discouragements. And, if he escapes Canadian Cheese" it sells readily, with any degree of certainty what he the other hand, affairs are different. As to our butter trade the results The dairyman is not so subject to the ed a system of cold storage, by which a sure return every day for his labor.

REMEDIES FOR CABBAGE AND CUR-RANT-WORMS. able to appreciate the advances made, who are interested in the country's prosp

The cabbage-worm, the larva of the common white butterfly, may be easily destroyed in several ways. That of hand-picking, if begun before the first brood has passed into its perfect state, is effectual. We have also found that pure pyrethrum powder mixed with five times its bulk of plaster, and dusted into the centre of the leaves with sulphur or Woodason's bellows, is certain destruction to every worm. The application of insecticides in liquids to the cabbage has not been satisfactory on account of the peculiar structure of the leaf surface, which allows the water to roll off in drops and not adhere to any part of it. Paris green is unsafe to use after the leaves have become four inches in diameter.

The currant worm should be de-stroyed when small by dusting the bushes when covered with dew in the morning, so that the material will adhere, with hellebore or pyrethrum. The latter, being absolutely harmless, is the more highly recommended.

WASTE LAND ON THE FARM.

On almost every eastern farm there is some land that, either by nature or because its fertility has been exhausted, must go to waste. If this land is infertile or rocky, naturally it may not pay to reclaim it. But if its fertility has been exhausted it can almost always be cheaply restored. It is more likely to be deficient in mineral plant food than in nitrogenous. Supplies of phosphate and potash alone will make clover grow, and, when there is once a good clover seeding, nature will do whatever else is needed to restore fertility. ----

BOOKS AND BULLETINS RECEIVED

Dairy Bulletin. By the Dairy School, Guelph. Vublished by the Ontario Department of Agriculture. It contains an introduction and specific information by Professor Dean on the methods of sewage disposal as ap-plied particularly to cheese factories and creameries. The subjects of milk-testing, care of milk for cheese-making and cream-eries, a starter, separators and the separation of milk, butter-making in the creamery, butter-making on the farm and cheese-making are treated in a practical way by the various instructors in these branches.

THE WESTERN FAIR.

We have received the prize list, rules and regulations for the Silver Jubilee Exhibition of the Western Fair Association, which will be held at London this year September 8th to 17th inclusive. Entries will close on Wednesday, September 7th, but in order that ample time may be given for the examination of papers and the correction of errors the entries should reach the secretary's hands not later than September 1st.

WINNIPEG'S GREAT FAIR.

The managers of the Great Western Fair, which will be held at Winnipeg July 11 to 16, have spared no pains to give those who attend it full value for the money and time expended. It tail value for the money and time expended. The live stock and agricultural exhibits gen-erally promise to be exceptionally good; in fact, indications show that it will be one of the best exhibitions in this respect ever held in Canada. Visitors, especially those who were familiar with the conditions of agriculture in the Northwest some few years ago, will be astonished at the evidences of development which will be shown this year in every department. The writer was present at the first exhibition held in Manitoba, and is

will furnish this year. The other attractions will also be very brilliant and quite abreast with the times, and will include a grand display of fireworks-" The Relief of Lucknow "-every night. Monday will be Bicycle Day; Tues day, Children's Day; Wednesday, Farmers' Day; Thursday, Citizens' Day; Friday, American Day, and Saturday, Ladies Day. ----

MATTHEW MOODY & SONS.

"A n an is best known by what he does, not by what he says," is an axiom peculiarly applicable to the firm of Matthew Moody & Sons, of Terrehonne, Que. They are not distinguished for ostentatious pretensions or high-sounding declarations of achievement, although known as one of the oldest, as well as one of the largest, manufacturers of agri-cultural implements in Canada. Their machinery speaks for itself, and its reputation for intrinsic merit, thoroughness of construction,

intrinsic merit, thoroughness of construction, and effectiveness in operation is the very best advertisement possible. We give below a short description and some interesting infor mation respecting a few of the implements turned out of their establishment. THERSHING MACHINES. The next popu-lar threshing machine made is probably the two-horse tread-power threshing machine. It will thresh from forty to sixty bushels of oats per hour, and other grains in proportion. For a farmer's personal use, with ordinary care, the machine will last a lifetime. Many of them which have been in use every season of them which have been in use every season for fifteen years have not required \$5 in re-pairs on them since they left the factory. Re-cently a carload of three-horse tread-power machines were sent by the firm to Edmonton, and a purchaser of one of them writes that he has threshed 1,100 bushels of oats in one day, and another purchaser writes that he has threshed 450 bushels of wheat in the same period. With these machines the danger of thre is avoided, the machine is ready to start at the is avoided, the machine is ready to start at a moment's notice, and the work may be done by the ordinary hands about the place with-out any outside help. Four persons are usu-ally sufficient to work a two-horse machine. They may be placed on the barn floor in rough weather, with doors closed, and the work done under cover, when no other work is available. Another advantage is that these machines require no water, and there is no machines require no water, and there is no danger of them freezing up in excessively cold weather. In some cases two or three farmers have combined in the purchase of one of these nave combined in the purchase of one of these machines for their own use, and find this at rangement works very satisfactorily. The firm have been manufacturing tread-power threshing machines for more than forty years. The use of these machines is almost universal in the Provinc f Quebec, where the steam thresher is a provide the steam.

thresher is a 1 J. TREAD POWERS —These are made in three sizes for one, two or three horses, and are guaranteed to develop at a fair elevation twice as much power as the same number of horses in a sweep power. If any machine sold does I this guarantee the firm will take it In other words, the firm are confident not fill this back that two horses will do as much as four can do on a sweep power and with much less fatigue to the two horses than the four horses will undergo on the sweep. There are many im-



able to appreciate the advances made. All portant advantages on these tread power ma-who are interested in the country's prosperity chines which we are unable to notice here, and progress should not fail to see the great but one is that the middle roller affords a object lesson which the Winnipeg exhibition bearing on each side of each horse on the will further the set the presence of the set chines which we are unable to notice here, but one is that the middle roller affords a bearing on each side of each horse on the machine, and prevents the lag woods and lag rods from bending, thus avoiding fric-tion and loss of power. These powers may be obtained in any width desired, no extra charge being made for extra width. But the fact should not be lost sight of that unneces-sary width involves a loss of power from fric-tion and adds materially to the weight of the machine. A perfectly satisfactory speed regu-lator can be obtained for these powers. HAY PRESES.—The full-circle steel hay press made by the firm weighs 4,000 lbs., bales 17 x 25 inches, and makes two strokes of the

17 x 25 inches, and makes two strokes of the plunger to one complete turn of the horses. They can be operated anywhere and can be telescoped for removal by two horses. An alarm gong is attached to the machine to in-dicate when dividing blocks require to be inserted.

inserted. GRINDERS. — We regret that our space will not permit of a sufficiently detailed description of these machines. But they have a very wide reputation for effectiveness. The contral contluned grander grands shucked corn, corn cobs, and small grains, and can grand corn on the cob and small grain together if required. It is made in three sizes for two or three horse It is made in three sizes for two or three horse tread power, for five to eight horse-power engine, and the largest size for more ample power still. The firm also supply elevators with these machines. Other machines, such as binders, reapers, mowers, rakes, etc., etc., are also made by the firm.

Publishers' Desk.

Lancaster Feed Cutters .- Read the Lancaster reed Cutters.—Read the testimonial of Mr. David A. Grant on the front cover of this issue. Mr. Grant says the Lancaster Feed Cutters are perfect in every respect and will do their work better and with less power than any other machine he has ever seen.

The Arctic Butter Box .-- Attention is directed to the advertisement of Messrs, Har-vie & Co., of 223 Queen St. East, Toronto. This firm manufacture a specially useful con-trivance for shipping butter. It is made of spruce lumber with galvanized iron tank for ice and is strong and durable. There is nothing equal to it for making shipments of either large or small packages.

The Ottawa Exhibition.-Undoubtedly the up-to date stock buildings erected by the Central Canada Exhibition Association at the Central Canada Exhibition Association at Ottawa two years ago will be completely filled at this year's fair in September. Farmers know when they are well treated. One has only to glance over the prize list of the Central Canada Fair to see that it is a good show for the farmer or breeder. The prizes in every class are of splendid value, and there are also offered in the live stock department thirty-four "specials" including thirty-two gold medals (or in many cases \$20 cash). A special prize of \$50 is offered for a milk test during the fair. Among the new classes in the Swine Prize List this year is "hogs suitable for ex-port trade." A class for heavy-draught horses owned by farmers only has also been added to owned by farmers only has also been added to the premium list. In the poultry department the the premium ist. In the pointry department the values of the prizes have been greatly increas-ed, and the pigeon classes in which prizes will be given are double last year's figures. Farm-ers who have not yet exhibited at Ottawa's great fair should get a hustle on and make their entries at once. The fame of the Capital Debiblion is according to the tapital entries at once. The tame of the Capital Exhibition is spreading rapidly just now, for the directors are commended by all their patrons. Write E. McMahon, Secretary, for all information.

LIST OF PRINCIPAL CANADIAN FAIRS FOR 1898

Industrial Fair, Toronto ... August 29th to Sept. 10th Winnipeg Exhibition, Winnipeg, Man. July 11th to 16th Western Manitoba, Brandon, Man. July 19th to 22nd Stanstead Live Stock Assn, Stanstead, P.Q.....

Eastern Exhibition, Sherbrooke, P.Q. Sept. 5 h to 10th Western Fair, London, Unt..... Quebec Exposition Co., Quebec, P.Q... Sept. 12th to 21st

New Brunswick Exhibition Co., St. John, N.B. Sept. 13th to 23rd Central Canada Fair, Ottawa.Sept. 16th to 21th Southern Fair, Brantford Sept. 17th to 22nd

Markham Fajr October 5th to 7th years, 1\$50 payable each balf-year.



Trees and Vines become hardier, and their products better colored and better flavored when liberally treated with fertilizers containing at least 10% actual



FREE An illustrated book which tells what Potash is, and how it all applicants. Send your address. GERMAN KALI WORKS, na Nassau St., New York.

PROVINCE OF ONTARIO

ISSUE OF FORTY-YEAR ANNUITIES.

Sealed tenders for the purchase of terminable an nuities running for a period of 40 years, issued under authority of an act of the Ontario Parliament, 47 Vic., chapter 31, will be received by the undersigned at his other, Parliament Buildings, Toronto, on or before 14th day of July next, +t 2 30 p.m., when the tenders will be opened in the presence of such of the applicants, or their agents, as may attend.

The annuities will be in the form of certificat s signed by the Provincial Freasurer, in which certificates the Provincial Treasurer will agree to make half-yearly payments at his office at Toronto, or in London, England, of sums of \$100, or larger sums, or their equiva-lent in sterling at the parof exchange (L20 108. 113/2d), on the 30th day of June, and 31st day of December in each year, for forty years from 3cth day of June in-stant, the first half-yearly certificates being payable on the ust December next.

The total amount of annuities to be issued in 1868 is \$5,700 annually, but tenders will be received for any part of the same not less than \$200 annually.

Tenders may, if preferred, be upon condition that the annuities be payable in sterling in London, Eng. In such case the conversion will be at the par of exchange, \$4.862 3 to the pound sterling. Tenders will be required to state the purchase money which will be paid for either the whole annuities offered or such portion as may be tendered for.

Notification of allotments will be given to tenderers on or before 20th July and payments from the persons whose tenders are accepted must be made within ten days thereafter at the office of the Provincial Treasurer in Toronto, but if, from any cause, the purchase money is not paid by the 1st day of August next, pur-chasers who have not then paid will be required to pay interest on their pu chase money from that date to date of payment at the rate of interest which the investment will yield, according to their respective tenders.

The annuity certificates will be delivered at the office of the Provincial Treasurer in Toronto, where, if de-sired, they may be specially registered.

The Provincial Treasurer reserves the right to determine what tender is most advantageous to the Province, but no tender will necessarily be accepted. Tenders should be on the accompanying form.

Envelopes containing tenders should be endorsed, "Tender for Province of Ontario Annuities."

Further information may be obtained on application to the Provincial Treasurer.

R. HARCOURT. Provincial Treasurer.

Provincial Treasurer's Office, Toronto, and June, 1893.

NOTE .- Illustration of calculation on interest basis At the rate of 3 per cent. per annum (or in strict-Southern Fair, Brantlord Sept. 17th to 22nd Provincial Exhibition, Halifax, N.S. Sept. 22nd to 220th \$2,320.36 would represent an annuity of \$100 for 40

MARKET BEVIEW AND FORECAST.

Office of FARMING.

44 and 46 Richmond street W., Toronto. June 27th, 1898.

Although there is a lull in many lines of trade just now, owing to it being between seasons, the general trend of trade is good. seasons, the general trend of trade is good. One good feature of the advance in all lines of trade is that it is not due to the war to a very great extent. It is now evident that, had there been no war, nearly all trades would have winnessed the same revival that has shown itself during the past few months. Crop prospects continue favorable, and Canada, at least, is likely to have a harvest this season that will exceed anything for several work lack. A organ deal will demend upon the years back. A great deal will depend upon the weather from this out. Haying has already commenced in some sections, and harvest is likely to be several days earlier than usual.

Wheet

The wheat market is still on the downward grade, though it is believed now that when July grade, though it is believed now that when July wheat touched 70c, during the week at Chicago it was below the intrinsic value of the article. In a "boom" time the market always goesto the extreme. When the boom was on prices were inflated iseyond the actual value of the wheat, and now, when the boom has col-lapsed, they have dropped below what is the real agreat data of wheat. A curve data with real actual value of wheat. A great deal will depend upon the next few weeks what the purce for this season's wheat will be. If the price for this season's wheat will be. If the expectations of a few weeks ago regarding the yield are fulfilled, we are not likely to have very heavy prices. Keports from all over Canada continue favorable; but during the week the situation in the Western States has not been so favorable. In many sections, where harvesting is on, the yield is somewhat disappointing for winter wheat, though spring as approximing to whiter wheat, though spring wheat continues to show good prospecs. The total world's supply of wheat in sight is now 63,509,000 hushels, as compared with 36. 03,509,000 bushels at the same time last year. 10 London the wheat market continues dis-Values have declined 1s. 6d. to appointing. appointing, causes have occurse view. Supplies continue to be liberal, and it is felt that dealers there will be injured considerably be-cause of the Leiter campaign.

The market here continues inactive. There are not very large supplies of Ontario wheat coming in. From 7Sc. to Stc. have been the ruing figures during the week where any bus-mess was done. Manitoba was was one cent lower at the end of the week, and the quota-tion was \$1.04 for No. 1 hard at Toronto.

Outs and Barley.

Oats in England show a decline of 6d, per Oats in England show a decline of 60, per quarter, though at this reduction there is a much steadier feeling. Receipts at Montreal have not been so large. The market has leen quiet with some sales at 32c. to 32³/c. aftaat. Oats here have, been fairly steady with an easier feeling towards the end of the when an easer recing towards the end of the week when the quotations for white west were from 26% to 27c. These were quoted at 27% to 28c, at the biginning of the week. No change in barley here from last work's to change in barley here from last week's stations. At Montreal the market is quiet quotation.

at 44c. to 45c. for feeding and 4Sc. to 53c. for n-alting.

Peas and Corr

The prices for peas in London are still too high to admit of husiness being done. At Montreal the market is dull and sellers have to accept lower prices. Sales are reported at Gole, atl at. The Toronto market has been dull and easier at from 45c. to 50c. west. Com here has been ruling fairly steady at

Com here has been ruling fairly steady at 33c. to 33c. for Canadian yellow, and 41c. for American at Toronto. At Montreal re-cripts have been heavy, but nearly all on through shipment; No. 2 Chicago mixed be-ing quoted at 39c. to 40c. afloat.

Boom and Shorts

The Montreal market is turner for bran at andvance of 50 cents per ton. Considerable an advance of 50 cents per ton. Considerable sell for \$12.50 in bulk. Shorts are quoted at \$13.50 to \$12.50 for shorts, and \$9 to \$9.50 ton leave wet. for lean west.

East and Poultry.

The London market for eggs still continues firmer and higher with a good demand at an advance of 3d, to 6d, per 120. There are not many fresh Canadian going forward. There

are not expected till next month. Most of are not expected till next month. Most of the pickled stock is placed for autumn ship-ments. The Montreal market is fairly steady. ments. The auditreat market is failing alexaly. Nearly all the receipts are second grades which bring from 8 dc. to 9 dc. Choice fresh stock bring from 10c. to 10 dc., as to quality. stock bring from 10c, to 105c, as to qualify. The Toronto market is firm with a good de-mand at 10 c, to 11c, seconds bring 8 cents. The Toronto market for poultry is steady at 8c, to 10c, for turkeys, and 40c, to 60c, for

chiekans

Are dull and lower. Early in the week they were selling for 50c on track and 60c. out of the store, and at the end of the week the quotations were only 35c. in car lots on the track and 45c. out of store.

Hay and Straw.

At Montreal the deliveries of poor feeding At Montreal the deliveries of poor feeding hay has been very large. This quality brings from $\$_5$ so to $\$_5$. No. 2 is quoted at \$ to \$5,50. There is no No. 1 coming in. The Quelec crop promises to be very large. The market here is quiet and unchanged at \$ to \$5,50 for hale? hay, and $\$_4$ to \$4,50 .or straw in car lots on track

Eruita

The apple crop just now in Ontario and Quelec promises to be the largest for many years. Though the caterpillars have done considerable damage in the Montreal district, the fruit is well-formed and the danger from frost is now over. Though the supply of strawherries at Montreal has been large, the strawheries at Montreal has been targe, the demand has been good. Canadian cherries are selling there at 90c. to \$1.50 per hasket. Strawberries have been plentiful in Totonto Strawberries nave been plenning in 100010 during the week, and prices have ruled a cent lower, at 2c, to 5c. Cherries are quoted at 05c, to 75c. The quality has not been of the best; too much unripe fruit.

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The wool market continues dull and inactive as well in the United States as here. In the former manufacturers seem loth to put in a former manufacturers seem loth to put in a stock of wools though present values are com-paratively low. Here there has not been much doing and farmers seem inclined to hold a while. The ruling figure for unwashed is 10c, to 10²/₂c, and 16 cents for washed. It is reported that one cent more than these figures is being paid at country points.

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The London market has been quiet, though a time London market has been quiet, though a timer feeling at Liverpool is reported, where wices have advanced is. 6d. to 24 per cwt. Higher prices are looked for at London. The situation on this side has greatly improved, and prices have advanced from one shall to three-quarters of a cent. Eight cents was reached at one or two local markets dur-ing the week, and the trade all around is very much more active. The advance here seems to be backed up by cable reports, so that the rise is not due altogether to a speculative demand on this side. June quality is always worth considerably more than May goods ; but, aside from this, there is a much better feeling. Shipments from Canada and the United States continue to show a large falling off as compared with last serson. Up to June 18th the total shipments from Montreal and This the total sampliments from solutifeat and New York were 249,134 buses, as compared with 415,750 buses for the same period last year, showing the large decrease of 166,616 buses. Should this same ratio continue till the end to the season it would mean a de-crease of 200,000 buses. The ruling prices at the test of the season is would mean a delocal boards west of Montreal have h een from 7%c. to 7%c. Montreal quotations are from 7%c. to Sc. There is very little stock in Montreal his season, whereas there was between 40,000 and 50,000 bases at this time last year. The cheese situation, on the whole, has a much brighter outlook.

The exports of butter continue on a much larger scale than for years back. The t-tal shipments from Montreal up to June 18th shipments from Montreal up to June 18th amounted to 21,245 packages, as compared with 6,256 packages for the corresponding reriod last year, an increase of 300 per ceat. Notwithstanding this the market shows a de-cidedly Letter feeling. Considerable hutter has heren hought during the week at Montreal for local and export account. The quotations there for choice creasmery are from 17C. to 172C. Under grades tofe to 16fc. A yeau ago choice Jane creasmery was selling at 16gc. to 17C. The London market is decidedly former owing to a large falling off in supplies. There is a good demand for Canadian creasm-ery and 43. to 52. more is being paid for a ery and 45. to 55. more is being paid for it than could have been obtained a week ago. Offerings are comparatively light. A large

portion of current receipts are going into cold

portion of current receipts are going into cold storage. Quotations for fancy creamery are S5s. to 83s. 6d.; one fancy lot brought 90c. The Toronto market continues about the same at 17c. to 18c. for prints, and 16fc. to 17c. for tubs. Choice June dairy brings from 12c. to 13fc. Ordinary quality brings from 11c to 12c

The cattle situation is somewhat brighter. I ne cattle situation is somewhat brighter, though at some American points an easier feeling prevailed. The London market is firmer and higher at an advance of 2d. per stone of 8 lbs. The market here has been active, though supplies early in the week were large

Export Cattle .- There has been a steady demand and the offerings have all been taken demand and the offerings have all been taken. The ruling figures for the best cattle have been from \$4.50 to \$4.75, though on Friday some fancy cattle touched \$4.50 Kough cattle sold for \$4.40. Bulls bring from \$3.40 to \$4 per cwt., as to quality and weight.

Rut here' Cattle .-- Grass cattle are coming forward more freely and these sell for less money than the stall-fed stock. The market money than the stall-fed stock. The market has been firm, and all offerings have been taken. The best quality bring from \$4.40 to \$4 50 per cwt., the ruling prices being from \$3.50 to \$4.30, common cattle and cows being from \$3.5 to \$3.50. Stockers and Freders.—Light stockers are

quoted at \$3.40 to \$3.90 per cwt., with some touching \$4. Feeders weighing from 1,000 touching \$4. Feeders weighing from 1,000 to 1,050 lbs. bring from \$3.25 to \$4.25 per -----

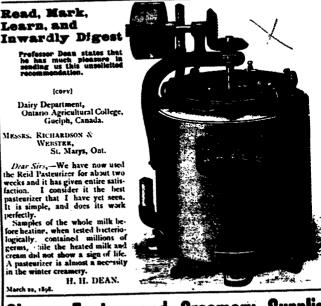
Bulls .- Good bulls are wanted. Export ranits.-coor ours are wanted. safet quality were quoted at \$4 per cwt. catly in the week, and butchering from \$3 to \$3 50. Catters are caster. The ruling figures are from \$3 to \$7 cach. Common calves bring

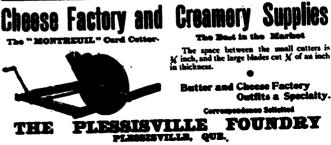
\$2.00

Milch cows and springers. -- Market firmer. Milch cows and springers. -- Market firmer. Fancy, newly-calved cows bring from \$45 to \$46 cach, with the ruling figures at \$25 to \$40.

Shown and Lambs.

The London market shows a decided im-rovement at an advance of 2d. per stone. Interview of the second second







however, were a little easier. Here the marhowever, were a little caster. Here the mark ket is if anything a little caster. Spring lambs bring from \$2 to \$4 each. Sheep, both export and butcher bring from \$3 to \$3, so ber cwt. Bucks are dull at \$2.75 per cwt. Der ewt

Hors.

Hogs. At American markets hogs ruled easier early in the week. At Chicago the market was "panicky," owing to a report of yellow lever in the South. The Isaffalo market for heavy hogs was slightly firmer. Canadian hacon is more in demard in the old country. and is growing in favor. There is not much change in the market here. Choice selection of bacon hogs bring from \$5.15 to \$2.00 per wat, slight hogs, \$4.75 to \$4.80, and sows \$3 to \$3.30.

Ham

There is a quieter feeling in the London market, though desirable Canadian animals market, though desirable Canadian animals sell well at auction. The supply of Canadian horses is more liberal. The Buffalo market has been fairly active with prices ruling about the same. Receipts are declining at Chicago since the government contracts were filled. The retail trade is just fair.



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