Issued Each Week-Only One Dollar a Year

VOL. XXIX.

NUMBER 32.

RURALHOMA

PETERBORO, ONT.

AUGUST 11,

1910.



THE COMFORTS OF CIVILIZATION ARE TO BE FOUND IN THE TEMISKAMING

The illustration herewith shows a modern cement block house on the farm owned and worked by Prof. John Sharp, in the Temiskaming District. The Professor has a fine farm of 300 acres, with good farm buildings. He is engaged in dairying. His herd numbers 21 cows. The milk is bottled and sold in the towns. In Liskeard milk sells for 10 cents a quart during summer, 12 cents in winter; in Cobalt it sells for 15 cents. For fuller particulars of this place read the article on page 6 of this issue.

DEVOTED TO

BETTER FARMING AND
GANADIAN GOUNTRY LIFE

WOMEN

M/N/N/N/N

When your husband is thinking of buying a Cream Separator, have a little talk with him. The make of separator he buys is of just as much importance to you as to him. Perhaps, it is of greater importance. At any rate, you want the very best machine that can be bought. You want a separator that will do the very best work, and keep on doing it. You do not want one that is constantly getting out of order. You do not want one that is hard to turn, as you may have to turn it yourself occasionally. You do not want one that is difficult to clean. Or one that if the milk should be cold, you must heat it before the separator will do its work rightly.

" The separator you DO want is the Simplex Link Blade Separator, with the Self-Balancing Bowl. The Self-Balancing Bowl does away entirely with the vibration which is common in other separators if the bowl gets ever so slightly out of balance. Consequently, there is not the wear and tear which makes the machine turn harder, which wears it out, and makes it impossible to separate cleanly. It separates at a much lower speed than other separators, and so it's much easier to turn. It is easy to clean, as the link blades do not come apart and so can be cleaned and handled all as one piece. It will separate cleanly whether the milk be warm

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Fergus, Can. LITTER CARRIERS, HAY CARRIERS, ETC.

Re the Exodus of Americans

Evidently inspired by some official the reclamation service of the of the reclamation service of the United States, The Breeders' Gazette, under the caption "Canadian Set-tlers Disillusioned," published the following editorial in their issue for July 20:

Dissatisfied, discouraged, homesick and bankrupt, thousands of American settlers in the Canadian Northwest are turning their faces again teward the land where snow and ice do not come in August and and ice do not come in August and where a variety of crops can be suc-cessfully grown. This is the natural result of the blind rush for lands whose main recommendation was their cheapness. Pictured in the glowing terms of the land-boomer, the semi-arid sections of Alberta have drawn poor but worthy farmers from their comfortable homes to experience the disheartening realization that time has neither mullified nor moistened the climate of that land. It is still a place where farming is fraught with difficulties.

'Although the emigration of home seekers to western Canada was larger this spring than a year ago, the tide has turned. Clarence J. Blanchard has turned. Clarence J. Blanchard of the reclamation service reports that he has talked with a great number of the settlers who are forsaking the experiment with Alberta irrigated lands to seek homes aouth of the line. Alfalfa and wheat have been their main crops, and these are not sure owing to the short season. The in-congenial government, the high freight rates necessary to get crops o market and the long winter have to market and the long winter have been additional causes for discontent. It is reported that during the last nine months 15,000 settlers have re-turned to the United States from Canada, and the movement is in-creasing. These men have discovered the cheapness of the land, but it has cost them dearly in cash and in hardship for their families to find it out.

GIVEN WIDE PUBLICITY
The officials of the reclamation ser-ice have been very active lately and have succeeded in getting their view not only into American papers but they have appeared in some of the Canadian papers as well. That such a report should gain a good deal of publicity through the ordinary news-papers and journals of the United States does not occasion surprise. That a paper with the standing of the Breeders' Gazette should become a party to breadcasting such un-founded information is more diffi-cult to understand. not only into American papers

cult to understand. The Superintendent of Immigra Farm and tion at Ottawa writes Farm and Dairy that notwithstanding reports to the contrary the American farmers still keep coming to Canada and that his Department will pay very little attention to the false reports circulated by jealcus Americans. J. Bruce Walker, Commissioner of Immi-Winnipeg, satisfactorily and gration, Winnipeg, satisfactorily and completely disposes of the mythical assertion of the alleged exodus. The following is in part his letter, to Farm and Dairy, dealing with the

Regarding the subject of the alleged exodus of 15,000 American settlers from western Canada back to the United States, some nine months since. I instructed the Officers on the since, I instructed the Officers on the Boundary Line to keep a sharp look-out and make a note of dissatisfied American settlers returning to the U. S. This has been done. The so-called exedus is purely a myth and without the slightest foundation in fact. On July 23rd, I telegraphed to every Officer along the Bulgarden distribution of the control of the set of the same grains.

Lipe, Letween Winnipeg and the Mountains, to the effect that American newspaners were circulating reports that 15,000 disastisfed American settlers have left Canada and returned to the United States duried the Wilson Superied and the United States duried and the Mountains. The Mountains of the Wilson Superied and States duried and the Mountain Societies, and the Wilson Superied and States duried and the Wilson Superied and States duried and State

dus of such settlers to the States.

In answer I received the following

telegrams: "Boissevain, Man., July 27th, '10.

"Boissevain, aian, July 27th, 10.

Have not seen one dissatisfied settler returning to U. S. from Canada
during past year. No such movement has taken place through this
pert. (Sgd.) D. W. Agnew, Inspector."

"Kingerate, R.C., July 27th, 210.

spector."
"Kingsgate, B. C., July 27th, '10.
—There is no such exodus of settlers as reported by American newspapers.
There is absolutely no exodus of any kind by this port. N.B.—Have entirely failed to trace any body of returning dissatisfied settlers. (Sgd.)

J. Dunlop, Inspector."
"North Portal, Sask., July 27th,
'10.—Reports of American exodus "North Portal, Sask, July 27th, 10.—Reports of American evodus from Canada incorrect, so far as this port is cencerned. Always a few returning. Number this year no greater than usual and having regard to increased influx, is really less than usual. (Sgd.) J. A. Pot-

vin, Senior Inspector."
"Gretna, July 27th, '10.—Have carefully watched and have recently searched American export reports. Find that during past nine months six settlers returned dissatisfied. six settlers returned dissatisfied.

This is a fewer number than during any similar period in previous history of improved in previous his-

tory of immgration movement (Sgd.) O. J. Gould, Inspecter." "Emerson, Man., July 27th, '10.— Inspection of U. S. Custom Books at this Port, show that no more than two families returned from Canada during the past nine months. So far as the exodus of American setlar as the exodus of American sections is concerned, such is entirely unknown at Boundary points under care of this entry port. (Sgd.) T. J₁ Connell, Senior Inspector."

"Coutts, Alta, July 27th, '10.—All

"Courts, Alta, July 27th, '10.—All through the immigration years cer-tain dissatisfied farmers have returned to the States. During the past nine months this exodus has past nine months this exodus has been ne greater than usual through this port, notwithstanding that since September, 1909, a free grant of half section of land has been offered in Montana. (Sgd.) Chas. Mair, In-spector." spector.

THE YARN EXPLODED

I am happily able to entirely explode the American exodus yarn, by quoting from the official figures of the United States Customs Department at the various entry ports of the United States from Canada, between Winnipeg and Kingsgate, the United States from Canada, oc-tween Winnipeg and Kingsgate, B. C. The Customs reports indicate the following persons, describing themselves as farmers, having re-turned to the United States since 1st January, viz.; January, 11 farmers; February, 2 farmers; March, 40 far-mers; April, 78 farmers; May, 27 farmers; Jue, 77 farmers; and to July 27th, 15 farmers. A total of 980 persons, declarint themselves to Suy 27th, 15 farmers. A total of 261 persons, declaring themselves to be farmers, returning to the United States from Canada. The insignifi-cance of this return movement will be best appreciated when yeu com-pare it with the 50,425 persons who have entered Canada, declaring them-selves to be Americans, and selves to be Americans, and desirous of settling in Canada between the same dates and between the same

Exhibits of Grain at Toronto

The sum of \$240 has been granted for a sheaf competition by th tors of the Canadian National Exhibition, Toronto. This exhibit will include sheaves of fall wheat, spring wheat, oats and barley. Prizes will also be given for two-bushel sacks of the same grains.

Issue Each W

Vol. XXI

Fittie Wm. Re

To fit d interesting an improv cow when tention. A few, they few days be them almos to practise I fear he v ribbons

If the da fairs, the e time at le Personally, barn during and flies, tu it is cool. during the cows. Feed pose very w the flies the tures. It de wash cut m

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the quantity the ordinary tion per day crushed oats, cotton seed n tion, two lbs two lbs. oil o and fast rule breeds of catt animals diffe taken not to will soon know

A week befe should be ke allowing them other day. Tl to the treatm the fair. Fee Teach them to point is impor turned out to drinking from

Te trim catt Generally, it is head and neck understands wi mistakes. A c Issued Each Week

Only \$1.00

Vol. XXIX.

FOR WEEK ENDING AUGUST 11, 1910.

No. 32

Fitting Dairy Cattle for the Show Wm. Retson, Herdsman, N. S. Agricultural.

College.

To fit dairy cattle for the fall fairs is very interesting and profitable work. It shows what an improvement can be made on the dairs.

interesting and profitable work. It shows what an improvement can be made on the dairy cow when she gets a little extra care and attention. A few years ago when exhibitors were few, they tock their cows off the pastures a few days before leaving for the fairs and showed them almost in the rough state. If one were to practise such a method in these latter days, I fear he would not secure many of the coveted ribbions.

If the dairy herd is to be shown at the fall fairs, the exhibitor should begin to fit in good time at least six weeks prior to the fair. Personally, I prefer to keep the cows in the barn during the day, to protect them from heat and flies, turning them out in the evening when it is cool. Keep the barn somewhat darkened during the day and put a light covering on the cows. Feed bags ripped open answer this purpose very well. This is better for keeping off the flies than spraying with oil or other mixtures. It does not injure the coat, and the cows wash cut much nicer at fair time.

FEED FOR FITTING

If the pasturage is good the feeding will not cost much more than usual. Give a light feed of grain in the morning and again in the evening before turning out; follow with some green feed at noon. If the pasturage is poor, feed more green feed. For a grain ration I prefer a mixture such as bran, crushed oats, oil cake, and cotton seed meal. One must study each animal to get the best results from feeding, and feed the grain suited to their requirements.

The condition of the cow should determine the quantity and kind of grain to be fed. For the crdinary dairy cow, in full milk, a good ration per day would be four lbs. bran, two lbs. cotton seed meal. For a dry cow in fair condition, two lbs. bran, one lb. crushed oats, and two lbs. oil cake would be sufficient. No hard and fast rule can be followed in feeding, as breeds of cattle and the condition of individual animals differ greatly. Great care must be taken not to overfeed. A watchful herdsman will soon know just what each cow requires.

DETAILS IN FINISHING

A week before leaving for the fairs, the cows should be kept in the barn altogether, only allowing them a little exercise in the yard every other day. This confinement will accustem them to the treatment they are likely to receive at the fair. Feed good hay and less green feed. Teach them to drink from a bucket. This latter point is important. Cows that have always been turned out to drink are often very fussy about drinking from a bucket.

Te trim cattle properly practice is necessary. Generally, it improves a dairy cow to have her head and neck closely clipped, but unless one understands what he is doing he is api to make mistakes. A cow looks better untrimmed than

pcorly trimmed. Give the cows a good wash a few days before leaving home and again the day before exhibiting.

Always have the cattle thoroughly halter-broken before leaving home. The exhibition grounds are a poor place to teach them. A cow that will step smartly round the ring, without having to be pulled and pounded, makes a goed impression. There are a great many more details which might be dwelt on, but they can soon be learned from experience.

Crops Used to Supplement Pasture

Edmund Laidlaw and Sons, Elgin Co., Ont.

Where the second crop of clover is done growing, which will be about the 1st of October, we have grass, oats and tye ready for pasture. We so the rye ready for a grain crop about the 20th of August or the 1st of September. We sow one bushel of rye and one and a half bushels of oats, which we pasture from the first or 15th of October till it is time to stable the cows. We always get a good flow of milk in October and November from this green pasture and the rye is left for a crop of grain the next year. It usually yields from 28 to 32 bushels an acre, so there is practically no lost time in sowing this mixture for fall pas-

Filled with Good, Practical Advice

Farm and Dairy is our favorite farm paper. It is full of good, practical advice written by good, practical men. Every farmer in Canada should have this splendid dairy and farm paper in his home.—H. C. Clarke, Halton Co., Ont.

ture. We often get as much milk in November as we do the latter part of June.

We do not turn the cows out te grass until there is an abundant growth of second year clover and timothy. This will last till about the first of July when it begins to get old. For a change we try to have a field of green oats and rye to pasture. It is a good plan to plow the field intended for the rye the fall before and work it well till the first of June or possibly not quite so late and then sow it with one and a half bushels of cats and one and a half bushels of rye an arce. This will be ready in an ordinary season about the first week in July. We try and sow enough to last till the 25th of July or first of August, when the second growth

Some years, if it is dry weather, the second crop of clever does not amount to much, but we have been top-dressing our meadows for a few years back and we generally have a good second growth.

Hewever, if the clover does fail us, we have a good supply of corn ensilage to tide them over till the ensilage comes again. We do not consider anything equal to good ensilage for summer feeding where, there is shortage of pasture. It is handy to feed and is relished by the cows, and they seem to hold to a good flow of milk the whole season when fed on it.

Saving and Application of Manure J. S. Kemp, Perth Co., Ont.

My method of handling manure has been to put a part of the herse manure into the hog-pens, the balance into the trench behind the cows to absorb and save liquids. For all distant fields I draw it out in large piles direct from the stables, ready to be spread with the spreader when wanted. In this way I save the time that it would take to draw it from the yards and barns in the hurry of seed time and also avoid the waste that takes place when left in the barn yards, in the snow and ice and under the eaves of the stables, exposed to the n elting snow and rains which dissolve out and carry away a large per cent, of the fertilizing properties, drawn direct from the stables there will be practically no washing away, the manure pile absorbing nearly all the melting snow and rain that falls on it.

When spreading manure on plowed ground, 1 first harrow and then roll; under this method a pair of fairly good horses will handle the spreader that is equipped with a flat-tooth cylinder. I then harrow and roll and the ground is ready for seeding. The fine manure being mixed with the surface of the soil is available to the plant when it will de the most good, which is when it first puts forth its roots in search of its food. The sooner it has a vigorous healthy growth of roots and foliage the better. All plants feed more or less from the air. The vigorous healthy plants get their full share while the poorly fed, stunted plants get very little. It is while the plants are young that they obtain the most food in this way; getting less and less as they advance towards maturity; hence the importance of the plant focd being so placed that it can get it when most needed. I never plow down manure, as I am able to get better results by having it mixed with the surface soil. Often in early spring we get more rain than is needed and usually cold rains; these rinse out the liquids that have been absorbed, also dissolve and carry down and away the more solvent parts of the selid manure while the plant roots are keeping near the surface to avoid the wet and cold, while what was intended for their food is being washed

My farming has always been for the dairy, and when I find a meadow failing I top-dress it. The number of loads to the acre depends how much is available and the quality of the manure. For example if I have two acres that need manure and have only 16 loads, I would divide it and manure the whole area. I have, with good results, put on as low as four loads to the acre Time, anywhere from the first of August to the middle of October. I like to have the manure on the spot and if possible to spread it when the ground is comparatively dry and just before a rain. Avoid spreading when the ground is very wet, not only that the wheels will cut the meadows but if spread when the soil is wet and the rain continues it cannot absorb the fertilizing properties as they are dissolved and a large per cent. is washed away.

W. M. Pearce, Oxford Co., Ont.

The statement made by Mr. Mallory in Farm and Dairy, July 28, about the ability of the Holstein cow to forage, is the first that I ever heard of a Holstein cow being lazy. It is a good thing that the poor brutes can't talk after they worked for him the way he says they do. I have bought several carloads of cows in the vicinity of Belleville and I have been on nearly every farm there and I saw very few cows that would give 9,000 lbs. cf milk in a year; I don't think the cows were all to blame. What Mr. Mallory says about the cows might be applied somewhere else, judging by the looks of the cows that come from Belleville. I believe it would do some of those people good if they would come up to Oxford and see how we keep our cows. Farmers that have bought cows from that section claim that they have to keep them one year before they look like giving milk, and I find by the looks of their teeth, that those cows appear to to be three or four years clder than they really are: that is a pretty good sign that they have to grub pretty closely in the summer months to exist, saying nothing of producing milk

In regard to private weights I weigh the milk from each cow separate every time I milk; but that does not count for everything, as I don't wish any one to buy cows from me on the basis of those weights as they only have my word for them, but what I get paid for is what I have proof for.

I have II cows-all I have on the place-I bought them in April and they are all grade Holsteins. Some of them are thin so could not get the best results. I save about eight pounds a day and I lost three cans of milk in June, Lut I received from the Condensery Company in Tillsonburg, in May, pay for 16,150 lbs. at \$1.10 a cwt.-\$177.65; in June 15,806 lbs. at \$1.00 a cwt.-\$158.06; in other words I received pay for 2,905 lbs. of milk for each cow for the two months; for reference regarding this statement apply to Mr. Charles Minshall, Inspector of Borden Cendensing Co., Tillsonburg.

NOTE.—Farm and Dairy would be pleased to hear of other large records, together with details of feed management and comments thereon .-Editor.

Conservation of Soil Moisture

James Westlake, Carleton Co., Ont.

The ordinary crops grown on the Ontario farm such as clover, wheat, corn, etc., use, on an average, 21/2 times as much water as is supplied by the rains which fall during the growing period. The balance of the moisture must be obtained from the supply stored up in the soil. From this fact the value of proper conservation of the soil moisture becomes apparent.

Conservation of soil moisture is simply a case of good farming. Get all the water into the ground possible and then keep it there. In order to lay up a large supply of water during the winter months, the water holding capacity of the soil must be increased. One of the greatest means of increasing the water holding capacity of the soil is by means of underdrains. It has been estimated that soil well underdrained has a pore space which is 28 per cent. greater than the pore space in soil not drained. In other words it will bold 28 per cent, more moisture. The addition of vegetable matter or humus also greatly increases the water holding capacity of the scil. Fall plowed land will hold the snows of winter, prevent surface run off and hence largely increase the water supply in the soil.

During the summer months the great object is to prevent surface evaporation. The early planting of crops, addition of humus to the soil, level cultivation and constant and thorough cultivation to obtain a fine surface mulch and break up

the capillaries of the soil, are the principal means of conserving soil moisture. It should always be remembered that the great evil of weeds in many cases is not so much the fertility that they use as that they rcb the soil of moisture which would otherwise be used by the growing crop. It is not going too far to state that good farming is simply conserving soil moisture.

While the rains of summer do not play as important a part as they are usually supposed to in the growth of crops they are nevertheless im-



A Sharp Contrast-Pruned and Unpruned

Two of the trees in the Demonstration Orehard on the farm of Mr. S. Blackburn, Creemore, Ont., (Georgian Bay District) are here shown. The one to the left was not pruned so as to be able to compare results of the old practice as against modern methods of orcharding

portant, and we should make the best use of them. Soil which is hard and baked cannot absorb this rain and much will be lost from surface run cff. A fine surface tilth, however, renders this waste impossible. Cultivation within 48 hours after the rain will restere the mulch, though very few of us consistently live up to such a rule.

A common mistake in cultivating hoed crops is leaving the land behind the cultivator in rough ridges. A little calculation will show that this increases the surface of the soil and hence the chances for evaporation about one third. It is better to use fine teeth in the cultivator or a pulverizing attachment behind to overcome this

Facts about Grain for Cows

Edmund Laidlaw, Elgin Co., Ont.

There are plenty of people who would feed grain to their dairy cows if they had it. They will not buy it, however. They would not think of working the horse without grain, but they think it does not matter so much with the cow

When the pasture starts to get short and cows need grain the most, is just the time they are without it. Good cows under these conditions will milk all the surplus flesh from their bodies. When they get better feed they are not in shape to respond to it. Then people say it does not pay to grain the cew because she does not respond at once. She is then in no shape to'respond to grain.

The man who feeds his cows a heavy grain ration six months of the year and lets them shift for themselves the other six months is the man who is feeding his cews grain at a loss. On the other hand, the man who feeds his cows a good liberal ration 12 months of the year and keeps his cows in good shape all the time is the man who is investing his money where it will bring him liberal returns.

The key to successful dairying is to breed better, to feed better and to butcher the boarders.

A second hand machine is a gamble right from the time it is purchased. It may be all right, more probably it is all wrong; and the defects and worn out parts are not discovered until the machine is well into its work and in the case of a binder any delay while waiting for repairs may often spell serious loss.

General Qualifications of Horses' Prof. W. H. Peters, M.A.C., Winnipeg.

Any horse, no matter to what class he belongs, must possess certain qualifications if he is to be a useful and desirable one. First among these general qualifications is soundness. All horses bought for breeding purposes should be sound in every way, while all horses bought for work should be serviceably sound. As distinguished from a blemish an unsoundness is defined as any malformation which does or is likely to permanently interfere with the usefulness of the horse, while the blemish is merely an eye sore which does not interfere with the actual usfulness of the animal. A herse is spoken of as serviceably sound when he carries some minor defects, such as a small splint, a small curb, windpuffs, knees a trifle weak, etc., which in no way lames him or interferes with his ability to do a good day's work. The most objectionable unsoundnesses and those which disqualify a herse from winning a prize in any show ring are, weaknesses of the wind, unsound hocks, total blindness, weak knees, sidebones and ring bones. Any marked lameness should also disqualify a horse in showing.

All horses should possess to a marked degree the indications of durability, particularly of toughness of feet and bone, which indicates that they will wear well and long. Quality is indicated chiefly by a clean cut head, clean limbs with large, flat, dense bone, covered with a thin skin showing silky feather and tough waxy appearing feet.

While action differs materially in the different classes of horses, a long, clean, straight away quick step is a characteristic of any good horse.

No matter what work a horse may be called upon to do, to make a desirable servant he must have a good, incelligent, kind, quiet disposition, not sluggish but wide awake at all times while in the harness or under the saddle. It is impertant that he be free from vice or bad habits, for there many habits to which a horse's disposition is subject, and once acquired they are difficult to cure.

Style, beauty and symmetry of form should not be overlooked in buying a horse, though they are usually of more value to the seller than to the buyer. Go into any market you wish and you will find the good locking horses selling for more money than horses of even superior merit and usefulness, but not so well fitted and prepared for sale. Style and beauty are worth



Firewood Trimmed from a Small Orchard This pile of wood was taken out of an orchard of about an acre in extent. Its owner had thought this orchard to be past all hopes of readr. Note the other two illustrations of orchards on these pages.

more in the carriage and roadster types but are of sufficient impertance to receive attention in

Condition, age, color, sex and breed will all influence the value of a herse more or less, depending on the purpose for which he is wanted. Buyers commonly demand market horses, in medium to fat condition. They sell best at from five to eight years old. Almost any color is desirable, though oddly marked horses sell at a discount Sex and breed become a part of the considerations only when animals are wanted for breeding

"An extract from Bulletin No. 1, of the Manitoba Agricultural College, entitled "Horses."

After sons we finest in order. was nev is first as ours, find its

Augu

The re up with each rais home-mas at the or did not good job started t their far for a mi material The sec

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> Marked 4. 8 Silage is

of milk ar creasing th who have give the m thought at until corn this matter necessary t vantages c particular d

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By placing as the grain and the wh About 40 pe corn plant is the other 60 handling cor the 40 per ce before the le waste. Abou can be stored form of fodd a cubic foot 4.3 pounds of in a sile is space in a mo The feeding

increased thro to the fact t stock will eat lency, like gr the animal an condition.

Hogs, beef c

Success with Split Log Drag

K. E. Bishop, Oxford Co., Ont.

After using the split lcg drag for two seasons we have no hesitation in calling it the finest implement known for keeping roads in order. Our soil in this part of South Oxford was never intended for roadmaking although it is first class for farming. It is on such a soil as ours, a heavy clay ioam, that the drag should find its greatest use.

The road running by our farm was rounded up with the road machine two years ago. After each rain we hitched a two-horse team to our home-made drag and scraped the read, starting at the outside and working to the centre. This did not take much time but it made such a good job that our neighbours got interested and started to use our drag on the road adjoining their farms. We scon had a first-class road for a mile or more and with very unpromising material to start with.

The secret of the success of the drag on the earth road is that all the ruts are filled up, the road is rounded and water runs off readily. Of course the water must have a chance to get away or the work of the drag would be rendered useless. 1 do not know how the drag would work on gravel roads. Probably it would fill small ruts and leave a smooth surface. However, it could not do the same work as it does on a road of clay loam.

Marked Advantages in Favor of Silage A. S. Maleolm, Wellington Co., Ont.

Silage is a great factor in reducing the cost of milk and butter fat production and in increasing the profits from dairying. Dairymen who have as yet failed to erect a silo should give the matter of erecting one a great deal of thought at once for it will be only a few weeks until corn will be ready for the silo, and unless this matter is dealt with at once it will be necessary to wait another year before the advantages of the silo will be reaped by those particular dairymen.

The digestive organs of animals that chew their cud are so formed as to require comparatively juicy and bulky food. The cow cannot thrive on dry food as well as the horse. The ideal food for the dairy cow is good pasture, but for a large part of the year green pasture is not available. The best substitutes to furnish this succulent feed during this period are root crops and corn silage. Corn yields about twice as much dry matter per acre as do root creps. As root crops require much more labor, silage is by far the most economical for those where corn can be grown.

THE WHOLE PLANT AVAILABLE ..

By placing corn in the silo, the stocks as well as the grain are preserved for feeding purposes, and the whole corn plant becomes available. About 40 per cent, of the feeding value of the corn plant is in the stock, leaves and husks, and the other 60 per cent. in the ear. Through handling corn as commonly practiced, much of the 40 per cent. is lost. As corn is cut for a silo before the lower leaves are dry, there is no waste. About twice the amount of dry matter can be stored in the form of silage as in the form of fodder. It has been determined that a cubic foot of hay in the mcw contains about 4.3 pounds of dry matter. A cubic foot of space in a sile is worth more than twice an equal space in a mow.

The feeding value of the corn crop is greatly increased through being ensilted, which is due to the fact that silage is very palatable and stock will eat a large amount of it. Its succulency, like grass, has a loosening effect upon the animal and keeps it in a healthy, vigorous condition.

Hogs, beef cattle, and sheep can be fed silage

to great advantage; but its great value is for the feeding of dairy stock. As milk is made up of from 87 to 89 parts of water in every 100, it is evident cows yielding a large supply of milk must consun e a large amount of water, and that if a large supply of water is wanting, large yields of milk are impossible.

DIFFERENCE IN FAVOR OF SILAGE. Experiments carried on by the Ohio Experi-

Poultry Products Sold Co-operatively A. P. Hillhouse, Brome Co., Que.

General co-operation in the handling of pcultry produce is bound to come. The advantages to be obtained from co-operative methods are so great, and the lesses from the present system so large. that whenever a co-operative organization or circle is established, the almost immediate benefits from such an organization will be apparent to



An Excellent Example of the Intrinsic Value of Even the Most Hopeless Orchards

It was from the brush under the trees, as is to be seen in the illustration, that the pile of wood pictured to page 4 was taken. The brush as here shown is that from the second trimming. This orchard was considered to be a hopeless one, and its orchard was about to cut it down and uproot it, when Mr. I. F. Metcalic, the local representative of the Ontario Department of Agriculture, secured permission to take it over for a demonstration orchard. It now presents a very good appearance. Photo by I. F. Metcalfe.

ment Station, regarding silage for dairy feeding, as given in an information circular sent out by the Blue Valley Creamery Company, snow that the average amount of water consumed by silagefed cows per day was 93.9 pounds; while that consumed by grain-fed cows was only 69 pounds. Cows fed on the silage ration produced on an average 96.7 pounds of milk and 5.08 pounds of butter fat for every 100 pounds of dry matter consumed; while cows fed the grain ration only averaged 81.3 pounds of milk and 3.9 pounds of butter fat for every hundred pounds of dry matter consumed. The cost of feed per hundred pounds of milk was 68 cents with the silage ration, and \$1.05 with the grain ration. The cost of feed per pound of butter fat was 13.1 cents with the silage ration and 22.1 cents with the grain ration. The average profit over cost of feed per silage-fed cow was \$5.86 a month, for grain-fed ccws \$2.46.

The average daily silage ration was:

6.4 pounds mixed hay.

58 pounds silage. 2 pounds oil meal.

2 pounds bran.

The average daily grain ration was:

6.8 pounds mixed hay.

*.7 pounds corn stover.

2.5 pounds oil meal.

5 pounds corn meal.

6 pounds bran.

It is very evident that silage took the place

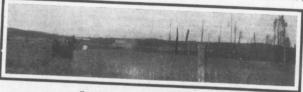
all interested. It will prove to them the actual necessity of the work in a business way.

The great point in cc-operation is not in the organization, but in the continuation of the enterprise, as each year finds us in a better position than the last. We understand the markets better. We become better known as poultry producers having both quantity and quality.

DISCOURAGEMENTS AT FIRST

As an example of the working cut of the cooperative method, I will give our experience at Bondville. We are now in our fifth year. We started in a small way for the first year or two with many discouraging results. We did not have the advantage of any other circle or central organization for assistance. We had to depend entirely on our individual efforts. Naturally our growth has been slow; much more so than will now be the case with any branch circles forming in connection with the Poultry Preducers' Association. These societies will have the advantage of the assistance of the central organization in all their work.

This central society is most important, especially in the matter of securing the best markets. We had to find our markets from experience, adverse and successful, and we gradually had to make ourselves known as a point from which quality and quantity of poultry produce could at all times be secured. It took time to develop such a reputation, but from the first it was absolutely necessary that the farmers who would give



Harvesting the Crop on One of the Temiscaming Farms

on Mr. T. Chester's farm, Hudson, is here shown. Hudson is said to be the banner township of the strict. Considerable information concerning it was given on page 6 of Farm and Dairy last week. district. Con

of over one-half the grain in the ration, thereby cheapening the cost of production and also increasing the yield of milk and butter fat. Silage is not only valuable for winter feeding, but is also probably the best feed to take the place of pasture during the dry periods of late summer and early fall.

the time and care to their eggs and poultry to produce the best should receive a Letter price.

Immediate pecuniary reward is absolutely neces sary to hold any organization of farmers together for better production. Just in the measure as we have been able to secure better prices for (Continued on Page 9.)



If they heard you

Champion Stanchions

They appreciate a good thing. They can move

head around. No Weight.

every five feet

apart and

double braced

Grain Grinders

Gas and Gasoline Engines

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WINDMILL

THE TEMISCAMING MARKET AWAITS THE PRODUCER

The Fifth Letter from Farm and Dairy's Editorial Representative in New Ontario.

Perhaps no where else in Ontario former is much better equipped than oes the farmer find a readier market or his produce or a more profitable no than in Temiskaming. The exceptive lumber operations, he pheno-to obtain. Bottled milk sells in the date of the provided in t does the farmer find a readier market for his produce or a more profitable one than in Temiskaming. The ex-tensive lumber operations, the pheno-menal mining development and the many new towns springing up through the district afford an imthrough the district abord an immediate outlet for everything and good prices for all farm and garden produce prevail. Indeed, so great is the demand that it cannot always be the demand that it cannot always be supplied, and at the present time oats, hay and meat are shipped in from Old Ontario. Some may ask why it is then that settlers have gone into the North Country? The answer is that many have gone in and those who are doing real farming are growing rich

A day or two ago I found by en-A day or two ago I round by enjury frem two farm machinery agents in Liskeard that since January, 1910, they have sold the following: Binders 47, mowers 89, seed drills 26, hay rakes 86, hay tedders 16, plows 46, harrows 128, land callers 13, successes 66, seedflows 98.

Liskeard for 10 cents a quart during Summer and 12 during winter. In Cobalt it is 15 cents.

Asked if he thought Temiskaming

would ever be a dairy ccuntry: "I should think it would, but not at the To make butter and cheese now would not pay," uld not pay," he replied.
Sharp owns about 300 acres Prof.

Prof. Sharp owns about 300 acres with 100 cleared and 40 stumped. "During the last two years," he said, "more land has been cleared than in the previous 10, and the next few years will see a wonderful change in this country." The Prefessor was a little difficient short witting a price on his farm

about putting a price on his farm. "Because," he said, "the price at about purchased which I value my farm would seem which I value my farm would seem almost absurd to people who know almost absurd to people who know almost absurd to people who know almost absurd to people who will be conditions upon the conditions are conditionally conditions. nothing about the conditions up here, so I think you had better not ornis 20, nay rakes 86, nay tedgers hothing about the conditions up 16, plows 46, harrows 128, land here, so I think you had better not rollers 13, waggons 66, seufflers 28, mention anv "gures." But he has cream separators 26. In all some- a fine farm with good buildings and thing over 20 carbonds and this, in a modern cement block house—a home addition to machinery handled at that after all is to be preferred to

not discouraged," he said, "ir: clearing and improving his farm. But as the present law stands it is particu-larly hard on the ectual working and progressive settler. Every bit of mprovement he does, buildings, of improvement he does, buildings, fences, clearing—everything he does to clear up and improve his farm and thereby increase the value of the whole district he is fined for, not once, but every year. On the other hand the speculators and nonnothing in the way of taxes as they have very little improvements, and besides are a drawback to the whole country and a continual source of danger to the progressive settler in the way of bush fires, which at any time coming from the unimproved lots may wipe out the buildings of

good settlers.

"It is almost the unanimous feeling of this district that this matter should be amended at once and imrovements exempted up to at least \$1,500.

"Another matter is the cancella-tion of unoccupied farms. There are numbers of good lots in every township that are proccupied and practi-cally unimproved, of which the Crown Lands Department is entirely ignorant unless some person applies for their cancellation. Then the original locatee is given 30 days to get on his locatee is given 30 days to get on ms lot and you may be sure that just before the expiration of the time he is on it, and then usually the Homestead Inspector happens along and finds the holder in actual occu-pation and working. He goes away pation and working. He goes away and reports to the Department ac cordingly and the holder follows the inspector out almost immediately. inspector out almost immediately. He is seldom seen around the place until he is again given 30 days' notice with the same results.

"A third matter is the importance

of having the Government undertake of having the Government undertakes some experiments at points between daileybury and Englehart in order to determine the varieties of fruit, roots and se forth that will succeed best in the locality. The experimental farm at Monteith is too far away to

Tarm at Monterin is too far away to be of much use to us. "The Agricultural Department should plant experimental plots at points along the main road between Haileybury and Englehart on the points along the man re-Haileybury and Englehart on the farms of settlers and furnish suffi-cient funds to enable those settlers to put the requisite amount of work and attention on the plot; the work to be carried on under the direction and supervision of the proper person from the Agricultural College at

"The settler in this country is struggling to hew out and build up his home and naturally hesitates to go very deeply into experiments when that experiment involves any financial outlay. Thus the proper develop-ment of rescurces will be delayed unless the Department will assist us and thereby aid in determining the possibilities of the future of our dis-trict in horticulture as well as agri-culture.—COLIN W. LEES.



Starting a Reaper on Professor John Sharp's Farm, Liskeard, Out.

Prof. Sharp owns about 300 acres of land in the Temiskaming District. Corerable information concerning him is given in the adjoining article. The profeprefers the farm to university life.

DRILLING MACHINES

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SYNOPSIS OF CANADIAN NORTH-WEST LAND REGULATIONS.

A lamily, or any male over 18 years old, may homestend a quarter section of available Dominion hand in Manufacture and the section of available Dominion hand in Manufacture and the section of available Dominion Land Agency, or Sub-Agency, for the District. Entry by proxy monoditions, by father, nother, son, daughter, brother or sister of intending homesteader.

Datins—Six on the land in each of three years. A homesteader may live within nine miles of his homestead or a farm led at land or by his father, mother, son, daughter, brother or sister. In certain districts, a homesteader in location of the section o

extra. omesteader who has exhausted his A homesteader who has exhausted mis homestead right and cannot obtain a pre-emption, may enter for a pursue result in certain the result of the result of the result of three years, cultivate fity acrea and erect a house worth \$300.00.

Deputy of the Minister of the Interior.

W. W. OORY.

N. B.—Unauthorized publication of this

Uno Park, Earlton, Heaslip and a life of confinement as a University Englehart and by other Liskeard Professor.

Mr. T. Magladery, of Magladery Bros., Limited, hardware merchants, told me while speaking of the pro-gress that had recently taken place and the presperity that now reigns throughout the agricultural district, that their business had greatly increased and that this year saw the sale of four times as many forks, scythes, etc., as in 1900. "Indications are for a still larger business next year," he added. "Already we have \$2,000 worth of machinery scid for delivery in 1911."

It was a pleasure to visit the farm. and the prosperity that now

It was a pleasure to visit the farm of Prof. John Sharp on the Hailey-bury road near here. Professor of Prof. John Sharp bury road near here. Professor Sharp first came to New Ontario as a missionary 13 years ago. "At that time," he remarked, "there were only four small houses in Liskeard and throughout the entire section there were not more than 40 families; I mean by a family, the occu-pants of one shack. If I counted as families only those where there was

namilies only those where there was a woman, then there were not a dozen in Temiskaming."
While here the Professor was given a professorship in Morrin College, Quebec, and subsequently one in Queen's University, Kingston. This letter by experience were and the control of the

Quebee, and subsequently one in Queen's University, Kingston. This and was not a cent to the good-latter he resigned preferring to farm in Temiskaming.

Professor Sharp has a dairy herd of 21 cows and is one of the few who supply milk to the tewns. His cow stable and horse stable are separate buildings about 200 yards apart. The interests of the settlers.

\$1,000 FOR EVERY YEAR IN NEW ONTARIO

At Earlton I met Mr. W. A. How-

At Earlton I met Mr. W. A. Howser, another successful and enthusiastic farmer who came here nine years ago. "At that time." he told me, "there were ne roads and all this part was solid bush."

During the nine years' residence in Temiskaming he has owned three farms. "On the first I cleared \$2,800," he explained. "It cost me \$2,200, and with the lumber I sold it for \$5,000. I took \$8,000 worth of lumber off the second, then sold it for \$2,000." The third farm is the one on which he lives. "I paid \$350 fer this one five years ago and toone on which he lives. "I paid \$350 for this one five years ago and to-day \$5,000 could not buy it," he continued

tinued.

Mr. Howser showed me a field of Red Fife wheat sown May 3 and also some Twentieth Century oats from his own seed. Last year his oats vielded 82 8-11 bushels an acre and his wheat averaged 60 bushels in the arm.

Asked if he farmed in Old Ontario, "No," was the reply. "I was a Grand Trunk station agent at Grims by, and every one thought me crazy to give up a good job and come away up here, but I had worked 12 years

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The Arts course may be taken without attendance, but students desiring to graduate must attend one session. There were 1517 students registered session 1909-10.

For Calendars, write the Registrat, GEO. Y. CHOWN, B.A. Kingston, Ontana

Reces FAI Dairy

Aug

What I when I T. W., 8 Almos should Jersey i cream o in the n tity so a

than the speaking The w a matte cows ye ever bre good proticular b

Second Is secon horses?-J Second cured and of fodder

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hay secu It should heads has seed has come fibro If caref ing it is need feeding it which clov at slow we

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short rota cultivate and to mo rotation is H. Grisdal mental Fa weeds, prol sible in one including o lowed by shallow-ploy grain the n of red clo heavy or c pounds of sike.) If a must be us land might under grass stead of the ing used for tion. The p three-year r up early in intervals to growths of w and should

Ragweed which hand remedy. As conspicuous of fields. A before the se repaid by to Special attention fields liable t may frequent for several o a mewing me

ferably ridge

机光光光光光光光光光光光光光光光光光光光光光光光光光 FARM MANAGEMENT *************

Dairy Cowsfor Cream Production

What breed of cows is best for me to keep when I wish a steady supply of cream?— T. W., Simcoe Co., Ont.

T. W., Simcoe Co., Ont.

Almost any of the dairy breeds should meet your requirements. The Jersey is noted for its rich milk and cream of high color. Holsteins while not having so high an average of fat in the milk, would give milk in quan-

in the milk, would give milk in quantity so as to give resultly more cream than the Jersey. Because the Arrivine. The whole question the Arrivine. The whole question the different control of the cows you have and of their individual manife and cream producers. What we will be a make of the cown that the cown that the cown producers which are the companies of th

Second Growth Clover for Horses Is second growth clover safe to feed to horses?—J. A. W., Peterboro Co., Ont.

Second growth clover, properly cured and saved, makes the very best cured and saved, makes the very best of fodder for either horses or cattle. It should be much better feed than specured from the first cutting. It should be cut as soon as the first heads have turned brewn and before seed has formed or the plants because the special part of the state of the seed has formed or the plants because the special part of the seed has formed or the plants because the special part of the seed has been dependent of the seed of the see

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To Rid Land of Ragweed

A field from which I have cut a crop of wheat is badly infested with ragweed. How can I get rid of this, as I intend to sow the same field to corn next season?—
J. R., Middlesex Co., Ont.

wheat is badly infested with ragweed in the same field to corn next season. It is also that the same field to corn next season. It is also the same field to corn next season. It is also the same field to corn next season. It is also the same field to corn next season. It is also the same field to corn next season. It is also the short rotation is recommendately for the same that the same field is also the central Experimental Farm, Ottawa: "To destroy weeds, probably the best rotation possible in one of three years' duration, including clover and mixed hay, followed by roots or corn, the land state of the same field is also the same placed in fall and sown to still the same placed in the same placed in the same placed of the same placed of the same placed of the same placed on the end of the rods against the same placed in the fall.

This ladder or opening for doors is stead of the one year, the second being used for pasture, then that the same placed in the fall.

This ladder or opening for doors is stead of the one year, the second being used for pasture, thus extending the three-year into a four-year rotation before the same placed in the fall.

The pasture land in the four-year rotation is stead of the one year, the second being used for pasture, thus extending the three-year into a four-year rotation before the same place where you have also the same place where you have also the same place and place where you have also the same place and place and praint which hand pulling is a practical romedy. As a rule, the plants are conspicuous and grow near the edge of fields. A little labor in pulling which hand pulling is a practical romedy. As a rule, the plants are conspicuous and grow near the edge of fields. A little labor in pulling which had pulling is a practical romedy. As a rule, the plants are conspicuous and grow near the edge of fields. A little labor in pulling the plants are conspicuous and grow near the edge of fields. A little labor in pulling the plants are conspicuous and grow near the edge of fi

Continuous Door in a Silo

E. J. L., Wentworth Co., Ont.

E. J. L., Wentworth Co., Ont.
In South Wentworth we have stopped cutting doors in the silo to put
out the ensilage and instead havy a
continuous door, never having to pitch
the ensilage up to a door, but can put
it cut on the level. In building the
silo proceed as follows:

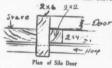
the ensilage up to a door, but can put it curt on the level. In building the it curt on the level. In building the it is a second as follows:

For each second as follows:

For each side of the door, placinic for each second for each should be some distance apart who holes the same distance apart who holes the holes 1½ inches from one ide. Then you have the plan for the holes on the sile when plan for the holes on one and a two places are the same second for the holes of the second for t

CONVENIENCE IN HANDLING.

When you come to take out the enwhen you come to take out the en-silage you can always throw ensilage out on the level and de not have to throw it up two or three feet and sometimes more, as in the case where the doors are just cut in the staves



at uniform distances. We have one silo of both styles but the one des-ribed above is the only kind built

now.

Instead of the hoops going through
a piece of wood as described, we use
iren buckles, which seek at hardware stores in Hamilton, having two
holes in them through when the the ends
of the rod pass and the the ends
of the rod pass and the the condition
screwed on the end of the rods against
these. This makes it easy to tighten
the rods and they do not null through
in a few years as in the case of wood-

This ladder or opening for doors is stood on end when nailed tegether and braced facing the place where you want the opening. Start on one side and the opening. Start on one side and the opening. Start on one side and the opening start on the opening start on the start of the original start of the original start of the opening start of the way of the start of the sta

Our Legal Adviser

POSSESSION OF LAND.—1. Does 10 years possession of land that has been enclosed for the provincial me give possession in spite of provincial me give possession in spite of provincial the land provincial me give possession in spite of provincial me give possession in spite of provincial me give possession me of the has been under cultivation more than that province the provincial me give prov

1. Ten years' possession of lands will give a good title as against the true owner provided the property has been enclosed and the possession by the person claiming the land has been for such period "open, visible and

continuous."

2. If two or more persons are in possessicn of lands for periods of possessicn will time amounting in the aggregate to tem years, the last in possession will ten years, the last in possession will be the continuous against the true owner provided there has been continuous occumation. provided there has been continuous occupation as against the true owner and the successive occupants claim in some sufficient way under each other.

For example, if "A" takes possession of lands belonging to "C," and after remaining in possession for say under takes to dispose of such years undertakes to dispose of the property to "B," and puts "B" in possession for such years and the property of the property of the property "B" beared for the property "B" beared in possession for the remaining in possession for the period abandom the property and "B" without agreement with "A" subsequently enters he will require himself to held possession for 10 years to nequire title.

3. The original owner will have to save a writt to recover possession in save a writ to recover possession in save a write to prove the save and the property and the property

You have no right to take proceed You have no right to take processings against the major, nor against the father of the young man to recover pay for the use of the horse, but the young man himself is liable for its use, and you probably could recover against him by legal process, if he will not now without. not pay without.

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We have a splendid money-making proposition for good agents.

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It is correct that tomatoes are experience leads me tshipped from the Canary Islands to they are only shipped supper from the Canary islands to they are only snipped when home London in large quantities. They grown fruit cannot be had. It might are packed, as Mr. Wilson states, in mean a heavy loss to any grower or sawdust and peat, mixed. Mr. Wilson omits to add, however, that each a market for tomatees. fruit is wrapped in a separate piece of tissue paper. Also, and this is of the greatest importance, they are orly sent over while home grewn fruit

This imported fruit would stand no chance in competition when the Eng-

HORTICULTURE lish tematoes are most plentiful in August and September. English fruit of first quality can then be bought at from 40 to 60 cents a peck. The Tomatoes for the London Market

These sell at from two to four cents

These sell at from two to four cents a lb. Tomatces

irthur Knight, York Co., Ont.

It is doubtful if tomatoes can be shipped from Canada to the London market with profit as suggested by Mr. Lockie Wilson in an interview and which was published in the July 2s issue of Farm and Dairy. Prior to coming to Canada three years age I was engaged in the fruit trade as Covent Garden Market as a retail between the Control of me to state that hipped when home

Profitable Potato Spraying

Dry seasons tempt even these who Dry seasons tempt even these who believe in potato spraying to omit or slight the practice; but a study of Bulletin No. 323 of the Station of Geneva N.Y., should convinee growers that they cupht to spray regularly. The past three seasons have been exceptionally dry; and serious potato diseases have, temporarily, almost discusses have, temporarily, almost disappeared from N. Y. State; yet only one-fifth of about 100 tests made by the Station or reported to it in these three years have shown a financial loss from spraying, and the average in-crease, on more than 1,000 acres sprayed in the experiments, was 36 bushels to the acre.

The Bulletin summarizes the results of 32 Station experiments made dur-ing the past eight years, in which ing the past eight years, in which the average gain from spraying every two weeks has been 102 bushels per acre at Geneva, 54 bushels at River-head; and from spraying three times during the season, 78 bushels at Geneva, 29 bushels at Riverhead.

The average gain made by farmers or arsenate of lead, in the usual quenty-spraying under Station inspection has titles, by adding a little soap to the been 41.1 bushels per acre for seven years on areas running from 60 to 225 acres each year. By farmers spraying independently but reporting to the Station, on areas ranging from 71 to 600 acres yearly for six years, the average gain has been 32 bushels per acre. It is safe to say that the per acre. It is safe to say that the per acre. It is safe to say that the contract of the same of the sam the last seven years more than \$50,000. Potato growers should not be tempted by a dry season to omit spraying.

Late Strawberry Setting

Is it too late to set out strawberry plants with the expectation of harvesting a good crop next year?—R. J., Prince Edward Co.,

The general commercial practice in The general commercial practice in Ontario and in most other strawberry producing sections is to set the plants early in the spring. The "Rural New Yorker" advocates a method for late planting, which is as follows: Four rows of plants are set one foot apart rows or plants are set one foot apart each way, and then a space of two and one-half feet or three feet is allowed for the purpose of accommodating pickers. Then follows another bed of pickers. Then fellows another bed of four more rows of plants set one foot each way, and so on. This method requires a considerable amount of hand labor as the plants require to have all runners kept off and can cuty be cultivated by hand, although the space between the beds can be worked up with a one-horse cultivator. Of course, this method can only be followed on a small scale.—Prof. J. W. Crow, O.A. C., Guelnh, Ont. C., Guelph, Ont.

Renewing the Strawberry Patch

W. S. Horne, Pee Co., Ont.
My method of rying overtrawberry patch second cre second crop is as follows: When the gathering of the crop is completed, I mow the the crop is completed, I mow the vines and weeds with a horse mower as close as possible. Let them lie a day or two, rake off with a horse rake and burn up. Then plow a shallow furrow, say three inches deep, from each side of the row, leaving the row should be read to be considered. the row about 15 inches wide.

Leave this to settle a day or two then level with the cultivator. Weed the rew and in a few days cultivate between the rows. Continue the cultivation until the vines have renewed their foliage and commenced run-ning. By doing this you will have as fine a looking patch as the new one planted in the spring. With a vigorous patch this treatment will sometimes answer for the third year. The two year old patch is very eften the most profitable and produces the lest crop. The third year patch is invariably light. tivation until the vines have renewed

WINTER COVERING
To secure early berries the winter
overing should be light and the covering should be light and the vines uncovered early in spring. On light sandy land where the drought is severe the mulching is practically useless unless raked off in spring and the land between the rows thoroughly cultivated as late as possible before the berries begin to form. Then re-place the expring. place the covering

on land with plenty of moisture the winter covering can be raked off the rows and left for a mulch. It will also help to keep the berries clean. No cultivation is needed. On light soil where berries suffer from excessive heat a few weeds left in the rew through picking time often prove beneficial by shading the fruit and preventing sun scald

Worms on Cabbage

The average gain made by farmers or arsenate of lead, in the usual quen-

tion for the central district of On-terio, comprising branches in Osha-wa. Toronto, Berlin and Brantferd, report the prospects good for early tomatoes. No diseases are apparent at present. Early potatoes are very at present. Early potatoes ... Rain came just in time to save the crepcame just in time to save the crep. For onions, the blight is very bad, the bulbs small and drying off. Celery reports show the crop to be rather later than lass year, but otherwise looking good, no blight showing so far. The acreage in cabage and cauliflower is slightly larger than last year. Crop rather backward on acbean crops are good and free from

disease.

The southern division, with branches at Ojikway, Tecumseh, Dunnville and Hamilton report the condition of the tomato crop as fairly good. Tecumseh growing about one hundred acres less than last year. Early potatoes are much damaged by dry weather. The onion acreage is about the same as last year, but ing from drought. Celery but is suffer ing from drought. Celery is very poor, owing to the dry weather. The acreage in cabbage and cauliflower is somewhat less than last year, and growth retarded by drought. Melons are a failure at Ojibway. Corn at Tecumseh will be a total failure, un-

The western division, with branches at Sarnia, Woodstock, St. Thomas, at Sarnia, which was at Sarnia, Stratford and London, reports the Stratford and London, reports the prospects for the tomato crop as good. Early potatoes are poor; the late ones are fair. Onion crop is fair. The maggot is reported to be working in some sections. Celery is doing well.

No early cauliflower; late cabbage and cauliflower looking well at pre-

The eastern division, with branches t Ottawa, Kingsten, Belleville and Picton, reports tomatoes to be about two-thirds of a crop at Ottawa, but Belleville and Picton report tomatoes as good. Earlies are troubled with leaf blight. The crop of early pota-toes is very small, but later ones are promising well. The onion crop is toes is very small, but later ones are promising well. The onion crop is fair, but blight is showing in some localities. Celery planting was de-layed owing to drought. The crop is looking fairly good. Cabbage and cauliflower; early crop is poor, but the later planting looks promising. Ottawa reports the general outlook for vegetables as poer, and indies-tions are that the vegetable crop in all lines will be much below the

average there.

Mulching of Gooseberries

Instead of clean cultivation in my goose berry patch would it be advisable to mulch heavily with straw to keep down weed and conserve moisture?—A. J., Russell Co.

Regarding the advisability of mulch rtegarding the advisability of mulching a gooseberry plantation with straw to keep down weeds, preserve meisture, etc., if plenty of straw is available this would be the ideal system of growing gooseberries. They are shallow-rooted plants and thrive best in col soils. Heave mulching best in cool soils. Heavy mulching with straw holds the moisture, prevents injury to the rocts by cultivation and keeps the soil cool.

Straw of course, does not contain in itself as much plant food as would be required by a gecseberry planta-tion. If strawy manure is available My cabbage are badly infested with small worms. What can I do for them?—

M. Hasting Co. Ont.

M. Hasting Co. Ont.

Some successfully combined by applying such materials as dry slaked line or even road dust.

They may be poisoned by Paris green

O.A.C. Guelph. Ont.

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Rocce **** Roup-

Aug

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Poultry (Co our men growth b

time we quantity of hard w on our for This wa part of th myself, h brought a siderable respect. sections. mers diffic great maio from with other it is somet

reaped. However, this and w we are the successful always in farmer a be produce the well known contin quiries by duce. In n own price, point I will inquiries.

sary in all little prese afterwards

We were 30 dozen ca eggs, but
Rush two c
by daily s
price." (Re-"Ship us fewl and f (roosters) f each, follow on Thursday ment and mail." (Ph (Pho The follow

firm who ha of our select "We are p appearance a us a 30 doz if you have ADVANTAGI

These are communicatio regarding pogreat difficult mand. But easily be seen

POULTRY YARD

Roup-Symptoms and Treatment

Roup-Symptoms and Treatment
Some of our hum have taken a swelling under the eyes, and in the course of a
week, the whole the treatment of the course of a
week the whole and red that out and eyes are
so swollen and red that the cause,
see nor eat, and they eventually expense
ean or eat, and they eventually expense
and is three a cure for it2+O. H. Ko.
Northumberland Co., Ont.

The disease which you describe is
roup. Destroy and bury all birds that
are badly affected. Thoroughly clean
are badly affected. Thoroughly clean
other birds Conkey's Roup Cure, or
permanganate of potash, one teaspoonpermanganate of potash, one teaspoonful in one quart of drinking water. permanganate or potasn, one teaspoon-ful in one quart of drinking water. If any of the birds are too valuable to kill, swab the head and throat with a strong solution of permanganate of potash.—Prof. F. C. Elford, Macdonald College, Que.

Poultry Products Sold Co-operatively

(Continued from Page 5.) our members has our success growth been extended. If at If at any growth been extended. If at any time we failed to do this, it was quickly marked by a dropping out here and there and a reduction in the quantity of the product we had to offer. It would take several months of hard work to re-establish ourselves on our former footing.

This was shortsightedness on the This was snortsignteeness on the part of the farmers. Being a farmer myself, however, and having been brought up on a farm, I have con-siderable sympathy for them in this siderable sympathy for them in this respect. It is the conditions in rural sections, not the people, that make successful organization among farsuccessful organization among far-mers difficult. Their dollars are founds and they know how they came. A great majerity of farmers have never seen the broader side of life by travel and from interchange of thought with others. They do not realize that with others. They do not realize that it is sometimes important and neces-sary in all business that there be a little present sacrifice in order that afterwards a future benefit may be reaped.

SUCCESS AT LAST However, we have been through all However, we have been through all this and we can now safely say that the are thoroughly established, as a successful producing centre. We are always in a position to give every farmer a better price for best quality produce than he can secure frem any other country or eity firm. We are well known to all eity dealers and are continually in receipt of in-quiries by letter and phone for pro-duce. In most instances we make our duce. In most instances we make our own price. With regard to this point I will give a few cf last week's inquiries

"We were expecting to receive a 30 dozen case daily of your selected eggs, but have been disappointed Rush two cases in at once followed by daily shipments at your own price." (By letter.)

price." (By letter.)
"Ship us to-morrow morning 50 fewl and from 60 to 75 chickens (roosters) from three to seen lbs. each, followed by another shipment on Thursday. Will phone you quantity desired. Send invoice with shipment and we will remit by return mail." (Phone.) (Phone.)

The following is a letter from a firm who had crdered a sample case of our selected eggs:

"We are pleased to say that your

eggs are most satisfactory in size, appearance and freshness. Please ship us a 30 dozen case daily and more if you have them."

ADVANTAGES OF CENTRALIZATION These are only a small part of the communications received last week last week communications received last week regarding poultry and eggs. Our great difficulty now is supply not de-mand. But from these alone it can easily be seen that if the Poultry Pro-

ducers Association extends over Can-ada, as it should do, with a central organization for every province to look after the marketing end, and with a thorough system of communication between all branches and this central organization, it means thou-sands and thousands of dollars for the farmers of this country from imthe farmers of this country from im-preved quality and a better price alone. In addition we would have the increased production that is bound to follow the more profitable conditions

The grading for dressed poultry and eggs established by the Executive of the Poultry Producers' Association at the Poultry Producers' Association at a recent meeting, has now been published by most of the agricultural papers in Canada. This grading was considered by us, from past and present experience, to be the most practical for present use in Canada. We are most anxious for a thorough discussion and criticism of this grading from all interested in poultry production or marketing. The sole object is to get at the most workable system possible.

Honey Prices for 1910

Editor, Farm and Dairy.—The Honey Exchange Committee of the Ontario Beekeepers' Association met at the Secretary's office on Aug. 2. Reports were received from 450 points Reports were received from 400 points throughout the Province, representing 23,582 hives of bees, an increase of 60% over last year. All parts of the Province were well represented, and the Committee was thus able to accurate figures as to the crop conditions

It was found that there was practically no old honey left on the market and that all reports indicated that the 1909 prices suggested by the Committee were realized. mittee were realized. The average production per colony of light honey is 58.3 pounds as compared with 59.1 last year. While the crop in the last year. While the crop in the centre and western part of the Pro-vince, where the bulk of the marketable honey is produced, is lower con-

After considering the reports care After considering the reports care-fully the Committee would recom-mend the following prices for the fully

No. 1 Light Extracted (wholesale), No. 1 Light Extracted (retail) 12½ to 15 cts. a lb.

No. 1 Light Extracted (retail) 12½ to 15 cts. a lb.

Nc. 1 Comb (wholesale), \$1.80 to

(c. 1 Comb (wholesale), \$1.50 to \$2.25 a doz. (o. 2 Comb (wholesale), \$1.50 to \$1.75 a doz. The Committee find that large

81.75 a dox.

The Committee find that large quantities of extracted honey have already been sold by Peel County Heekeepers at 10½ cts., car lots, I.o.b. shipping point for the western markets. In view of the decrease in the cryp and the firm prices of fruit, the Committee believe that the above prices should be realized and would price should be realized and would price should be realized and would again are satisfactory. We would again are satisfactory. We would again a street that the local demand, which is seen that the local demand which is seen that th

A meeting of British Commbia poul-trymen will be held in the exhibition gounds, Vancouver, on Aug. 18 to form

siderably than last year's, there is a poultry association. The object of a much larger crop in the eastern the preposed poultry association is counties which has kept up the aver- "Better poultry and more of it."

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The more cows you own, the more you need an I H C Cream Harvester. The big profits in dairying come from cream—not milk. An I H C gets all the cream—quality cream—while the fresh, warm skim-milk is a moneysaver when fed to calves,

A cream separator is a necessity on the modern farm. It is simply a question of Which One to buy. Thousands of progressive farmers and dairymen, after the closest investigation of all etyles, have choose styles, have chosen

HC Cream Harvesters

There must be some very good reasons. If you will look into the matter as closely as I H C owners have, you will find that I H C Cream Harvesters are the only ones with dust-proof and milk-per gearings. You will find in them the most perfect straining device—insuring puper and skim-milk always. You will see that the frame of an I H C is entirely protein and skim-milk always. You will see that the i H C has largest shafts, bushings, and bear by bronze bushings at ali points; that the I H C has largest shafts, bushings, and bear by bronze bushings at ali points; that the I H C has largest shafts, bushings, and bear by bronze bushings at ali points; that the I H C has largest shafts, bushings, and bear by bearing prevents wibration and keeps the bowl steady, no matter how unevenly the power is applied. The crank is at just the right height for convenient turning and the supply can is so low that it does not require tiresome lifting.

The supplied of the supply can be some true of the supply can be some constant of the supply can be some constant of the supply can be supplyed to the supply can be some constant of the supply can be some constant of the supply can be supplyed to the supply can be some constant of the supplyed can be supplyed to the supplyed to the supplyed to the supplyed can be supplyed to the supplyed to the

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FARM AND DAIRY

AND RURAL HOME

Published by The Rural Publishing Company, Limited. and Politic

I. FARM AND DAIRY is published every Thursday. It is the official organ of the British Oclumbia, Manitoba, Esatern and Western Ontario, and Sectlord District, the Canadian Hoistela, Aryshire, and Jer-sey Cattle Breeders' Associations. 2. SUBSCRIPTION PRICE, 8.10.0 8.136. strictly in advance. Great sexcept Canada and Great Britain, add 50c for postage, A year's subscription free for a club of two owe subscribers, a should be made, by

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FARM AND DAIRY PETERBORO, ONT.

INFORMATION ABOUT HORSES NEEDED

Bulletin No. 1, entitled "Horses," recently issued from the Manitoba Agricultural College, fills a long felt want. It is such as we should have had long ago in Ontario. Hersemen of Ontario, whose hopes were raised during the investigations made of horse breeding in the province during 1906, have to date had no realization whatever of those hepes,-not even a suggestion that an up-to-date bulletin be published giving information touching upon breeds, and breeding, markets, types and the classification of horses generally, was acted upon.

Professor Peters, and the Manitoba Agricultural College are to be commended for issuing a bulletin on horses. This bulletin deals with the classification of horses outlining the general qualifications required of a horse belonging to any class and describing each class in detail. Seme excellent information relating to the brood mare and to the foal is also included. The bulletin is attractively illustrated and is such that any farmer will read and profit therefrom.

pally with the idea in view of assisting farmers in getting their horses entered in the preper class at the agricultural society and live steek shows. There has been great need of such information on the part of the exhibitors at many of the smaller western fairs, where it is a common thing for types of horses to be improperly classed and where it has in the past frequently happened that a good horse has been defeated by a somewhat inferior one because the latter conformed more nearly to the requirements of the class called. The same is true of some of the smaller Ontario fairs.

There is a great thirst abroad in the land for information relative to horses and to horse breeding. most popular and helpful bulletin that could be gotten out by the Ontario Department would be one relating to horses. It is to be hoped that in the not far distant future such a bulletin will be forthcoming.

IMMEDIATE ACTION REQUIRED

Farm and Dairy has frequently pointed out that the Dominion De partment of Agriculture is sadly neglecting the important poultry industry. The appropriations made at the recent session of the House of Commons included money for live stock, fruit, dairy and other work, but practically nothing for the advancement of poultry, one of the most pepular and best paying branches of agriculture. Practically the only work being done by the Dominion Government on behalf of the poultry industry is what is done in the poultry department at the Experimental Farm. Why does the department fail to appreciate a branch of agriculture in which almost every farmer is interested, and which plays an important part in Canadian trade?

If Canada were producing more eggs and more poultry than she could consume and prices were poor, there might be some excuse for this masterly inactivity. This, however, is not the condition. Never have eggs and dressed poultry been as high in price as at present. Last year we consumed half a million dollars worth of eggs more than we produced. This spring several car loads of Russian eggs have been imported into Canada, and this demand for foreign eggs is likely to continue. Why, then, does not the Government grasp the opportunity and encourage this line of work by helping to put the industry on a better basis?

The Government made its first mistake when it discontinued the Poultry Division of the Department of Agriculture. This department should be revived, and if possible its former chief, Prof. F. C. Elford, of Macdonald College, should be replaced at its head. There is plenty of work for such a division to do. Such questions as housing and feeding poultry, breeds and varieties, system of production, systems of incubation, and so forth, are purely local in nature,

out such problems for itself. When, however, it comes to systems of marketing poultry and eggs, the standardization of breeds, the definition of different grades of products, the passing of required legislation, poultry pathology, and so forth, questions arise which can be dealt with most effectively by the Dominion Government

The question of markets, both home and foreign, requires immediate attention. Standards for eggs and dressed poultry cannot be adopted too quickly. Poultry products are about the only commodity for which there are no recognized standards or grades. It is hard to imagine any product in more need of such classification.

A poultry pathologist is urgently needed. The annual loss to the country through poultry diseases, including the mortality among young chickens is enormous. A competent official should be appointed to inspect the cause of this loss, and this official should be furnished with a poultry plant to facilitate the transactions of his labors.

Had the deputy minister of agriculture at Ottawa been a man possessing agricultural experience, it is probable that work of this mature would have been undertaken long ago-Conditions are such now that longer delay cannot be permitted. It is time for the Department of Agriculture to act, and care should be taken to see that the work is conducted on a scale compatible with its importance. Suggestions for the improvement of the pcultry industry have been laid before the Government. They should be acted upon at once.

IMPOVERISHING THE FARMER

In the United States as in Canada. population is flocking from the rural districts to the towns and cities, Conditions in the State of Missouri have reached a point that Governor Hadley has started a movement which aims to check this unhealthy migration. A National Farm Homes Association is being formed to furnish farms, equipment and instruction for worthy applicants who are seeking to escape from the cities to the country. It is proposed to locate colonies of model farms in several States. Each farmer will be allotted 40 acres. A home will be erected for him, and conveniences, utensils, and live stock furnished. Each colony will include a central farm, presided over by an expert agriculturist, who will oversee the work of the other farms.

This movement, like many others of the same kind that have been started, not only on this continent, but in Europe as well, is doomed to meet with failure. We cannot reverse the present tendency until we change the laws which are its cause. Under our present system of taxation, a large share of the revenue produced on our farms is used to build up the cities, although but few of our farmers realize how. Not until a system of taxation is introvinces. Local conditions vary so on the farms and check the concentra-

The bulletin is designed princi- much that each province should work tion of industries and population in large centres, may we expect to see an improvement.

Every time a farmer ships a steer or a bushel of grain to the city, he is forced to pay undue charges to the railways, thus impoverishing himself and enriching these great corporations. The products of his farm, when handled in the cities, create work there, and thereby increase the value of real estate. Men buy land in cities, and then wait for the farmers, by their productive work, to increase its value. When all land is taxed according to its value, there will not be the incentive that now exists for people to congregate in cities, and that portion of our productive labor which is now going to build up the cities will be returned to us through a more equitable system of taxation.

PREVALENCE OF COMMON WEEDS

The more common weeds are becoming altogether too prevalent. It was only a few years ago that such weeds as Canada thistle, false flax and ragweed caused farmers much concern and efforts were put forth to free, and to keep free, the land from them. In these later years many of these weeds have come to be regarded with indifference and only such notorious pests as sew thistle are viewed with any concern. The result is that the ripening crops all over the country during the last few weeks have presented anything but an ideal appearance.

There is danger yet, as of cld, in these now common weeds. They are a distinct source of loss and should be kept in subjection. Effort spent in subduing them is, to be sure, worth while.

The introduction of a rotation of crops and shorter rotations, included in which are hoed crops, is the most effectual means of keeping these weeds in check. This matter of common weeds needs more earnest consideration on the part of our farmers.

Members of co-operative egg circles recently formed in connection with the Poultry Producers' Association of Canada, should find much of interest and encouragement in the article by Mr. Hillhouse, elsewhere in this issue The branch organization of which he writes has come through a varied experience and to-day is reaping a rich reward.

There are some things that we can learn from the farmers of the United States. One of them is how to organize. In the State of New York alone, on September 30, 1909, 88,886 farmers were members of the Grange. This showed a net gain in membership for the year of 6,683. By January 1910, the membership had increased to 89,591. There were 736 Granges in the state. The need for a similar organization among the farmers of Ontario is shown by the fact that in the Dominion House of Commons. the province of Ontario, the most thickly populated province in the and should be dealt with by the pro- duced which will lighten the burden Dominion, is represented by only

ence in fa reading far about stor handling, a deed about farm mana ginning to hands is co progressive Cow Cens trasts in d you will alv prate about 'practical.'' shiftlessness Note how y than a regi cows are de How this i to our wor. thing but poverty stri are "practic

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Dister A. J. Murra partme This form

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water to separ tions, which ca for the process But if the and the impact dition of the r become necessa with a sharp, l left flank, con where it is u stomach of an cision in a do it is long enou When the point into the flank downward, the the muscle, and cut through at wound together

The Sharp Contrast

Hoard's Dairyman

We are being educated Ly contrasts, by comparison. "As the light shines more and more unto the perfect day," do we see the difference in farms and farmers.

ence in farms and farmers.

The shiftless, easy going, non-reading farmer, who has low ideals about stock breeding, about soil handling, about stable sanitation, indeed about everything connected with farm management, that man is beneated to be a support of the same properties. deed about everything connected with farm management, that man is beginning to squirm as the work of his hands is contrasted with that of the progressive farmer. The work of the 'Cow Censua' shows up these contrasts in dairy farming. Nete how years and the state of the contrasts of the contrast of

poverty streams are "practical."

Then contrast him, his cows, his frofits, with the live, go-ahead farmer if you wish to see what is "practical." It is the "contrast" that tells the story, and by contrasts are we educated to a knowledge of the "practical" truths.

Distension of Rumen

A. J. Murray, M.R.C.V.S., U.S. De-

partment of Agriculture. This form of indigestion is caused by the animal gorging itself with food, and arises more from the animal's voracious appetite than from any devoracious appetite than from any de-fect in the quality of the food supplied to it. The condition is, however more severe if the food consumed is espec-ially concentrated or difficult of di-gestion. In cases of this kind there gestion. In cases of this kind there is comparatively no great formation of gas, and the gas which is formed is diffused through the stomach instead of accumulating in a layer in its upper or accumulating in a layer in its upper part. On pressing the flank with the closed fist the indent of the hand re-mains for a short time in the flank, as if the rumen were filled with a

soft, doughy mass.

This form of indigestion should be treated by stimulants, such as alcohol,

This form of indigension are treated by stimulants, such as alcohol, wine, or aromatic spirits of ammonia. If the formation of gas is not great and the distention with a solid material is somewhat limited, the animal may be drenched through a piece of ordinary garden hose, one end being inserted in the animal's mouth like the neck of a bottle, and the other the neck of a bottle, and the other end of the dwith a funnel, giving one and one half pounds of Epsom or and one half pounds of Epsom or and one half pounds of Glauber's salts dissolved in two gallons of water, at a single dose. Im-Glauber's salts dissolved in two gal-lons of water, at a single dose. Im-mediately after this treatment the left side of the animal, extending be-low the median line of the abdomen, to the median line of the abdomen, the fist, so that the impacted food mass will be broken, allowing the water to separate it into small por-tions, which can be carried downward for the process of digestion.

water to separate it into small portions, which can be carried downward for the process of digestion.

But if the treatment applied fails and the impacted or overloaded condition of the rumen continues, it may become necessary to make an incision with a sharp, long-bladed kinfe in the left flank, commencing at the point where it is usual to puncture the stomach of an ox, and prolong the incision in a downward direction until it is long enough to admit the hand. When the point of the knift is thrust like a dog along when going for cision in a downward direction until it is long enough to admit the hand. When the point of the knift is thrust downward, the wall of the stomach, he wall of the stomach, he wall of the stomach, the muscle, and the skin should all be cut through at the same time. Two cut through the control of the pasture. It would be used to be controlled to the pasture. It would be used to be controlled to the pasture. It would be used to be controlled to the pasture. It would be used to be controlled to the pasture. It would be used to be controlled to the pasture of the pasture is the experience of other Farm and Dairy readers on this point?—John wound together so as to prevent any

food slipping between the flank and the wall of the stomach, and then the operator should remove two-thirds of the contents of the runnen. This hay-ing been done, the edges of the wound should be sponged with a little carbol-ized warm water, and, the lips of the wound in the runnen being turned in-ward, they should be brought together with catgott stitches.

with catgut stitches. with catgut stitches.

The wound penetrating the muscle and the skin may then Le brought together by silk stitches, which would pass through the entire thickness of the muscle and should be about one inch apart. The wound should afterwards be dressed once a day with a lotion and the animal covered with a tich time sheet, to protect the wound tight linen sheet, to protect the wound from insects and dirt. The lotion to from insects and dirt. The lotion to be used in such a case it made up as follows: Sulphate of zine, I dram; carbolic acid, 2 drams; glyverin, 2 ozs.; water, 14 ounces; mix. It selear that this operation requires special skill and it should be attempted only the those who are competent. by those who are competent

Disadvantages of Weeds

1. They rob cultivated plants of

They injure creps by crowding and shading.
3. They retard the work of harvest-

5. They retard the work of harvest-ing grain by increasing the draft and by extra wear of machinery. (Bind-weed, thistles, red root.) 4. They retard the drying of grain

and hay.

5. They increase the labor of threshing, and make cleaning of seed

6. They damage the quality of flour,

ometimes making it nearly worthless.
Allium vineale L.)

Allium vineale L.)
7. Most of them are of little value as feed for domestic animals.
8. Some weeds injure stock by means of barbed awns. (Squirrel tail grass, wild oats porcupine grass.)
9. Some of them injure wool and disfigure the tails of cattle, the manes and tails of horses (Burdock, cocklebur, houndstengue.)
10. A few make "Hair balls" in the stomachs of horses. (Rabbit-foot clover, crimson clover.)

11. Some injure the quality of dairy products. (Leeks, wild onions.)
12. Penny cress, and probably cthers, when eaten by animals, injure the taste of meat.

13. Poison hemlock, spotted cowbane and Jamestown weed are very poisonous.

poisonous.

14. Many weeds interfere with a rotation of crops.

15. All weeds damage the appearance of a farm and ronder it less valuable. (Quack-grass, Canada thistle, plantains.)

ROME SMALL BENEFITS.

1. They are cf some use in the world to induce more frequent and more thorough cultivation, which benefits crops.

2. The new arrival of a weed of rist rank stimulates watchfulness. stimulates watchfulness. (Russian thistle.)

(Russian thistie.)
3. In occupying the soil after a crop has been removed they prevent the loss of fertility by shading the ground.

4. Weeds plowed under add some humus and fertility to the soil, though



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The same as the De Laval' "Just as good as the De Laval"
"As strong as the De Laval"

"Runs as easy as the De Laval"
"Discs like the De Laval" 'Interchangeable bowls with the De

'Skims as close as the De Laval' "Practically the De Laval"
"Gear like the De Laval"

"Last as long as the De Laval" And the longheaded business farmer says-"Well, if I get a

De Laval Cream Separator

I will get the standard machine." So he does it. How about you? CATALOGUE FREE

THE DE LAVAL SEPARATOR 173-177 William St. MONTREAL

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Give the women and children all the comfort you can. They will be glad to assist you to do this. A Lawn Swing, in some shady place on your Lawn, is just the thing. You, Mr. Farmer, might enjoy it and spend a restful evening in it, after a hard day's

Get the boys and girls working together towards securing a Lawn Swing, FREE. Show your own copy of Farm and Dairy to your Neighbor. Tell them about its good points. Ask him to



Lawn Swing for two adults or four children, strong and well made, selected from well seasoned hardwood lumber. rest can be placed on level with the seat, thus forming a bed or hammock; uprights painted in a bright vermillion.

Given for a club of Nine New Yearly subscriptions to Farm and Dairy, at only \$1.00 each.

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Circulation Manager

FARM AND DAIRY PETERBORO, ONT.

It seems that the need of an export demand to work off the accumulated surplus stocks of butter is deemed absolutely necessary, and consequently buyers have reduced their prices in the country, sales at the Cowansville the country, saies at the Cowansville board being made at 22% cents to 22% cents and at 8t. Hyacinthe only 21% cents was paid last week, says The Trade Bulletin. A letter re-ceived from one of the large provi-sion firms of Tooley 8t., Lendon, by last mail says: "Unless prices on your last mail says: "Unless prices on your side come down to a parity with ours soen, I fear your chances for utiliz-

LAND PLASTER

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TORONTO SALT WORKS

Q. J. CLIFF, Manager.

ARE YOU REMODELING YOUR STABLE?

LOUDEN MACHINERY CO.

GUELPH. ONTARIO

FOR PARTICULARS OF THEIR

SANITARY STALLS and STANCHIONS

ing this market will have flown for Creamery Department
Butter makers are invited to send contributions to this department it is not send contributions to this department is not supplied to send contributions to this department is not suggest an indicate the contributions to this department is not suggest an indicate the contributions of this department, and an Australian for this season of the
year keeps the market well within
the buyer's zene; and we do not look
for any advance such as is needed to
warrant slipments from your side,
warrant slipments from your side,

The Need of an Export Trade for some time."
This is not very cheering news for exporters in view of the desultory de-mand from the Northwest and the Coast. A dealer in and shipper of butter stated on 'Change on Tuesday, Aug. 2: "I have contended from the Aug. 2: "I have contended from the very start this season, that prices were too high to admit of a profit-able business for the middle man; and I have good reasons for saying that the comparatively small lots now going forward to Liverpool, Glasgow, and Bristol cannot possibly net a profit; but they may bring on a bet-ter demand later. I hope so."

It is the opinion of some in the trade that as soon as the cooler weather sets in during the coming fall that the make will be very small, owing to the exports of cream being much larger. We were led to exmuch larger. We were led to expect this result, however, at the beginning of the season; but it has not materialized, the receipts for the season up to the close of last week,

July 30, amounting to 218,025 pkgs. against 193,660 pkgs. for the corresponding period last year showing an of 24,355 pkgs. The sponding period last year showing an actual increase of 24,355 pkgs. The exports to same date were 7,511 pkgs. against 9,520 pkgs. last year and 52,223 pkgs. for the year previous. Our experts, therefore, have declined in value about \$570,000 this season to date as commared with those of date as compared with those of

Dairy Notes

the United were received. Notwithstand-ing the large increase in supplies, prices have been on a higher scale than last year, but signs are not wanting that they will rule dower

er almost everywhere. ter almost everywhere. The British markets are quite steady. Really choicest quality maintains its price, but a great deal of the butter arriv-ing is inferior, and has to be sold on its merits. Irish creameries have a good demand, but prices are un-

The Apple Crop

There has been an additional fal-ng-off in the apple prospects this nonth throughout Eastern Ontario. The June "drop" has been heavy. The June "drop" has been heavy. In Southern Ontario early apples

than usual.

than usual.

The crop of apples in the counties of Huron, Bruce, Middlesex, Brant and Lambton will be the lightest for several years. Many correspondents report their crop a total failure, and assert that there will be few, if any, winter apples for export. In the Georgian Bay district the crop will be light; there is a fair crop of early apples, but the winter varieties are ot half a crop

The Beard of Trade returns of im-ports into the United Kingdom for the first six months of the year furthe first six months of the year fur-nish the following particulars re-specting butter. Supplies from all sources for the first half of this year, compared with the corresponding period of 1909, show an increase of 7 899 tens of an average weekly in. period of 1999, show an increase of, 822 tons, or an average weekly in-crease of 300 tons. Receipts from the Australian colonies and New Caland were over 12,000 tons more, whilst supplies from foreign countries showed a decrease of over 4,000 tons. The only foreign country to show an increase was Holland. From the United States, only 22 ewt. of butter were received. Notwithstand-

There is an abundant make of but-The British

still show for a fair to good crop, but winter varieties will be a lighter crop



THE Butter Worker made for Practical Butter Makers-that's the National! The National Butter Worker, built entirely of hard wood, is unquestionably the most practical butter worker sold in Canada to-day, and is in use in the leading dairies of the Dominion. Every dairyman and farmer who makes butter owes it to himself to know more about the superiority of this practical device-it's a matter of dollars and cents on the profit side of his books, to own a

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Keep Them From Your Stock

COOPER'S FLY KNOCKER

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NO TROUBLE NO WASTE NO MILK TAINTED

SOLD BY ALL HARDWARE MEN

and by

G. A. GILLESPIE, PETERBORO, ONT.

Along the north shore of Lake Ontario, the "drep" has been very heavy on account of continued drought, and the cutlook apple crop has been materially reduced. In the counties of Northum duced. In the counties of Northum-berland and Prince Edward fall and winter apples will not be more than one-half of last year's crop, and a poorer sample than usual will be har-vested from unsprayed orehards. The crop will be light, also, in Durham and Ontaric counties, but the fruit is growted at present of somewhat. s reported at present of somewhat

is reported at present of somewhat better quality. In Eastern oan along the Ottawa and St. Lawrence River val-loys the drop has been heavy, but a fair to good crop of Fameuse, McIn-tosh and Alexander will be harvested. Winter apples are almost a failure in Porth, Wellington, Waterloo and Simora counties.

ce counties.

Apples have fallen badly in Southwestern Quebec, and the crop there, with the exception of early varieties, will be below average.

In New Brunswick apples will be

rather light. Prolenged wet weather was unfavorable for the setting of fruit, though the blossom was heavy fruit, though the blossom was neavy.
There is no improvement in the
prospects for the apple crop in Nova
Scotia. The crop in the Annapolis.
Cernwallis and Gaspereau valleys will
be very light. In Hants and the
eastern parts of King's county, the
prospect is somewhat heter than in
the western part of King's and Anusualis counties. Throughout the napolis counties. Throughout the centre of the valley, along the Do-minion Atlantic railway, the crop is mearly a failure, but along the mountains, the Scuth Mountain particularly, the outlook is for half a crop. Unless the quality should turn out to be very good, which from re-ports received is rather doubtful, the quantity of apples exported will likely be less than 350,000 barrels.

likely be less than 350,000 barrels, cr less than one-half of last season's exports from Nova Scotia. Apples in Prince Edward Island will be hardly up to the average, it is reported that late frosts have seriously damaged the crop. British Columbia will have a large

crop of apples, both early and late. Wealthies are very heavy.—Froit Crop Report No. 3.

Every man in the country should be impressed with the belief that it is an absolute crime to throw a light-ed match or cigar stub upon the forest floor, to leave a camp fire Lurning, to burn brush close to the woods in a dry season, or in any other way imperil valuable forest property.—A. H. D. Ross, M.A., Faculty of Forestry, University of Toronto.

***** Che Maker to this d ****

Augu

AC The su shipping each weel by a gov certain f to think ter frem Ontario, to see ab

cold each week inspected the highe The fac man to 1 each wee duce exp tories in like to fr are invit Dairy.

extreme

range to

Several ing the r to hand tario sinc ago. The middle of 'Our ma

Additi

has been year. The year. The has been Perth Co., "The an same as la as high as -Ma Ont.

the make more chees Carter, Ha "I am g milk more the same t The am

ity is good. son will er Goodkin, F "We hav milk this this one-t ces, Russell been much time a ye Stormont C

The S John Snets The milk

has a tende ripe. We h with food f for wholly respe There is farmers del milk to the

trouble, and has made mand has cost money during to say nothi by the produ Milk in a tion will co loss as long a

The success that the syndicate of cheese factories in Quebec, which are shipping their cheese to Montreal each week and having it graded there by a government official and sold by auction, is meeting with, is leading certain factories in Eastern Ontario certain factories in Eastern Ontario certain factories the success of the success to think of adopting the same plan.

Farm and Dairy has received a letter frem Mr. N. Rothwell, of Navan,
Ontario, stating that he would like to see about 25 good factories in the to see about 20 good factories in the extreme Eastern part of Ontario, ar-range to ship their cheese to one of the cold storage houses in Montreal each week and there have their cheese inspected and sold on their merits to

inspected and sold on their merits to the highest bidders. The factories could appoint a sales-man to represent them in Montreal each week and thereby greatly re-duce expense. Any officers of fac-tories in Eastern Ontario who would like to further consider this matter are invited to write either direct to Mr. Rothwell or to Farm and Dairy. Dairy.

Additional Cheese Reports

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Additional Cheese Reports
Several additional reports encerning the make of cheese have come
to hand from various parts of Ontario since going to press a week
ago. These bear out the contention
that make of cheese up to the
middle and such as the same date.

"Our make of cheese so far this year
has been Letter than any previous
The quality of milk received
has been better."—Roy Hastings,
Pertth Co., Ont.

"The amount of milk is about the
same as last year. I have taken in
as high as 16,200 lbs. of milk in one
and the same was the same as 16,200 lbs. of milk in one
one. "Maxwell Haley, Lanark Co.,
ont."
"The make of sheere."

Cheese Department
Makers are invited to send condributions to this department, to ask questions and matter relating to cheesemaking and to implicate the cheese shakers bepartment.

A Chance to Co-operate

that there are a few careless, and solving milk or silky, it was put in the press at a temperature of \$30°. One hour after putting in the press the cheese shakers bepartment, the continue to neglect to care for their milk. The expenditure of a dollar or town and about four of five minutes each day carring for the milk would be all that is necessary in order to keep it as it should be.

I that there are a few careless, and solving, when the curd was mellow or silky, it was put in the press at a temperature of \$30°. One hour after putting in the press to dress from the putting in the press for 36 hours.

A Chance to Co-operate

REFUSE ALL POOR MILK.

REFUSE ALL POOR MILE.
Every maker should preve to each
patron (and it can easily be done)
that there is occuse for delivering
inferior milk to the factory and that
had milk is the result of carelessness
or laziness, or both; then reject every
can of inferior milk. Such a course
would bring about a greater change
in the quality of the milk than merely
telling and explaining to patrons the telling and explaining to patrons the results of improper care. Just so long as some farmers think that there is the least excuse for them delivering bad milk to the factory they will continue

At every factory they will continue to do so.

At every factory there are a few At every factory there are for their milk on the factory facto sible for these men to do is possible for the rest.

How Prize Cheese Was Made

How Prize Cheese Was Made
"Our make of cheese of art his year
has been better than any previous
year. The quality of milk received
has been better."—Roy Hastings,
Perth Co., Ont.

"The amount of milk is about the
same as last year. I have taken in
as high as 16,200 lbs. of milk in one
day."—Maxwell Haley, Lanark Co.,
Ont.

"The make of cheese so far exceeds
the make last year. We made 100
the sceese during May than during
the sceese during May than during
the sceese during May than during
the same as the same time last year.—Ed.
Carter, Hastings, Boott 1,000 lbs. of
milk more a day this year than
the same time last year."—O. Davis,
Prince Edward Co., Ont.

"The mount of milk and the quality is good. We expect that this seanson will exceed all others."—J. We
Goodkin, Frontenac Co., Ont.

"We have had the largest flow of
milk this year since 1905—probably
about one-third more."—G. W. Frances. Russell Co., Ont.

"The milk delivered at our factory
has a tendency to be gasay and overripe. We have had little or no trouble
with food flavors, only these two
feets, for which the producers are
wholly responsible.

There is absolutely no excuse for
There is absolutely no excuse for
There is absolutely no excuse for
The milk delivered at our factory
has a tendency to be gasay and overripe. We have had little or no trouble
with food flavors, only these two
feets, for which the producers are
wholly responsible.

The milk delivered at our factory
has a tendency to be gasay and overripe. We have had little or no trouble
with food flavors, only these two
feets, for which the producers are
wholly responsible.

The milk delivered at our factory
has a tendency to be gasay and overripe. We have had the largest flow
the foot of the whey
tended the foot of the whole
the foo

In the Cheshire cheese market very little is doing and inquiries are only for finest, which are quoted at 55s. to 60s. Medium bring from 50s. to 54s., and common 45s. Lancashire 54s, and common 45s. Lancashire choses continues to meet a quiet demand, purchasers chiefly centring their attention on best grades. Arrivals continue plentiful, and values are practically unchanged. Finest bring from 60s. to 65s, and fine from 55s. to 57s. Canadian cheese continues in good demand at 54s. to 56s. for both white and colored.

56s. for both white and colored.

There is a better feeling in regard to cheese on the English market. The reduction in price has stimulated the demand. The home supplies, which are very abundant, examing only a moderate demand consist of the construction. Ferward purchases, however, and the strengthen the market, and uning to strengthen the market, and uning to strengthen the market, and the market with the market of the market of

Have you forgotten to renew your subscription to Farm and Dairy?

Let Him Alone

common cream separators is trying to sell you a disk filled or other com-plicated Perhaps some maker or agent of

claiming it is simplest, clent, or most effi-

52 disks from one common separator exchanged for Dairy Tubular. The maker calls it simple and easy to clean durable. Ask him why he makes such claims when everybody knows that Sharples Dairy Tubular Cream Separators

use neither disks nor other contraptions, yet produce twice the skim-ming force, skim faster, skim twice as clean, wash easier and wear longas clean, was easier and wear long-er than common machines. If he tries to dispute these facts, ask him to go with you to the nearest Tubular agent and disprove them. If he re-fuses to go, just let him alone—his machine is not the kind you want.

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IDEAL

THE IDEAL GREEN FEED SILO

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Do not be satisfied with experimental silos, get the one that by years of use has proved its worth. In justice to yourself you CANNOT AFFORD to use any Be guided by the verdict of our users, the only men who are the most competent to judge.

One of our Silos will furnish you June Feed in January weather. Built in all sizes, from lumber soaked in our specially prepared wood preservative

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STANDARD Hand Separator Oil

never gums, never rusts, never corrodes. It feeds freely into the closest bearings and insures the perfect lubrication that is essential to the free spinning of the bowl and the complete separa-tion of cream from milk. It lessens the driving effort and lengthens the life of your separator.

One gallon cans. All dealers. Or write to

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EVER fancy you could be something if only you had a different lot and sphere assigned you. What you call hindrances, obstacles, and discouragements, are probably God's opportunities.

-Horace Bushnell.



A NOVEL OF GOOD CHEER BY MARIA THOMPSON DAVIESS

(Continued from last week)

SYNOPSIS OF FOREGOING INSTALMENTS

Miss Selipa Lue, generous and tender of heart, and endowed with what is called "faculty," keeps the grocery at River Bluff. One day Bennie Dodds runs in to the grocery to ask her to come and unsew his sister's thumb which ash has caught in boxes by a sunny window in the rear of the store. Her friend, Cynthia Page, a charming young girl, calls on her and learns that she has taken a young artist, named Alan Kent, to board. They are introduced and Cynthia is annoyed at the young man's apparent assumption of instant friendinees, and leaves abruptly. Miss Selina tells the young beople at a latter visit of her encounter with a city club wo wan, and how the came to the Bluff.

Some selection of the Bial.

66 OMEBODY oughter been settles of the bial by ter keep his mind before hisself; but the poor bey wandered down the back hall to the porch to git a drink of water to squench his thirst and help him sweller the lump in his throat and had the misofrutune to git mixed up with the wedding-cake what they had set on a table in a dark corner by the door to be lit up with candles. When I got there they was both on the floor, and he had run his feet plumb through it and was gormed with frosting something terrible. I used soft soap and patience, and by hard work I got him and the citches reacy to stand up at most and the same an used soft soap and patience, and by hard work I got him and the clothes ready to stand up at the wedding. Then I whirled in and mixed another sixty-egg cake in a milk crock and baked it in a dish-pan with astonish-ing luck. I frosted it liberal with ready by the time folks got to coming. I laughed all the way down the road wext day at the rememberinz of his I laughed all the way down the road heat day at the remembering of his face when I found him." And Miss Selina Lue chuckled at Mr. Alan's

shout of amusement.

"Wait," he said, as she rose to go in and quell the calls from the songhoxers, which were fast becoming a demonstration. "Tell me some more; demonstration. let them roar."

let them roar."
"There's not much more to tell,"
"Ses, looks like God do pour it full she said, as she looked up and down the quiet street. A temporary lull to running over on other folks. I—but here comes Bennie How was based on the said of the

kegs out into the street and emptied 'em, and the bottles, tco—you would have thought I had come jest fer that special purpose. A young man teamspecial purpose. A young man team-driver started to say something im-polite ter me about the river of beer down the street, but Mr. Dobbs stepped over by him and that ended it. And Ethel Maud was borned that very night—and I've had my hands full ever since."

"And your heart tco," added Mr. Alan.

tell you if she was hurted, but she and cold; it's good to—look at," regot red and said you could wait to marked '1r. Alan as he seated himself hear till I could git a hot tea-cake on an "putrued peck measure and from the cock. But here's the dime reached to head Clemmie off from a cause I din't hurry." Bennie tendered the bit of silver in a hot, dirty bett heart lists head "Tea good as feeling in my "Wall Tea good as feeling in my "Tea good as feeling in my honest little hand.

out honest little hand.
"You oughter done as Mr. Alan said, Bennie, honey," said Miss Selina Lue in mild reproof. "Course he was worried until he heard; so was I."
"Bennie," said Mr. Alan with a glint in his eves, "keep the dime; you earned it."

CHAPTER IV. THE WONDERFUL BARN LOFT

"They can't nobody tell what a mortgage and a Golf Club will do." -Miss Selina Lue.

—Miss Selina Lue.

"Now, Bennie, run home as quick as you can, for I know your mother is in a hurry fer the things. Here's the nickel head of cabbage. Put it under your arm, and take the sack of meal in your hand. See if you can't carry the petatoes on the other arm and the piece of bacon in your other hand. Instead of the sorghum molasses she sent for, I am going to send three-for-ten cakes of soap, fer'she's forgot to buy a bit for more'n a week, and I am sure she would rather have it. My, what a load for a boy! Open your mouth for this ginger snap, and go careful but fast." And Miss Selina Lue steered the heavily-loaded youngster down the steps and started him toward home. As she came up again she paused.

"Well, I've got a feeling in my bones she'll come to-day, and I'm going to expect her anyway. Mis' Kinney's benes always gives her notice of trouble, but I've got mine trained so they ache fer the coming of good." Miss Selina Lue's wisdom was an unconscious adaptation of one of the principles of a very modern thought. It was at the lull time at eleven o'clock, when the Bluff dinners were o'clock, when the Bluff dinners were all in the pot, and Miss Senian Luc could get a breathing spell until the afternoon rush for supper provender. The Bluff bought supplies a meal at a time and brought the nickels and dimes in payment thereof. Miss Sclina Luc had no need of a book-keeper—she put her meney in a cracked "thugan lug behind the cracked "thugan lug behind the cough to make bank deposits, as her stock was bought on much the same your other stock was bought on much the same sorghum principle as that on which it was sold,

a little at a time and cash down.
"For," she counseled her neighbors, "For," she counseled her neighbors, 'having on hand, most of times means wasting, and the piece of meat oughter go into the pot according to what you know you oughter have and not what you think you want. Lots of folks stomiks ain't as greedy

as they is."

Mr. Alan had come in for his din-ner a little before the time. He spent most of his mornings down at As she came up again she paused and, resting her hands or her hips.

As she came up again she paused and, resting her hands or her hips.

I her a little before the time. He spent most of his mornings down at leaned out to look far up the street. There was the shadow of anxiety on they loaded the early boats; but when they loaded the early boats; but when the wharf was deserted, he found it pleasant to come

found it pleasant to come and chat with Miss Selina Lue as she prepared the simple meal he shared with He liked to watch babies tumble and crawl about the grocery be-fore their noon naps, for the floor and low-lying re-gicns of the store offered inlimited opportunities for adventure to creepers, and it always interested him to see what they could manage in the way of exciting catastrophes.
Miss Selina Lue at such

Miss Selina Lue at such times fairly addiated good cheer and interest and he felt constrained to do like-wise. In fact, Miss Selina Lue invited confidences as the sun invites the buds in the springtime, and her views of life were sound if

unusual. The non-appearance of Miss Cynthia was uppermost in her thoughts, and she seemed possessed of an inexhaustille store of admiring anecdotes of that disturbing volume person. disturbing young person. There was in his mind a sneaking suspicion—nay, shame - faced certainty that his own presence was the cause of her seeming neglect of Miss Selina Lue, and his conscience hurt him. Bother the girl! Why should she pass him in the lane as if he were non-existent and manage

down the street, but Mr. Dobb down the street, in the street, but Mr. Dobbed file and Sthel Maud was borned that very night—and I've had my hands full ever since."

"And your heart teo," added Mr. Malan.

"Alan, looks like God do pour it full to running over on other folks. I—but here comes Bennie! How was Miss Cynthia, bone?"

"Shoo," answered Bennie. "Didn't with we brows with the country heart the street, and he was not in the way of being trodden under things and she says the child ain't was senting and she says the child ain't was senting of a "first family" feet his pride rebelled. He was thing a man said. "In section of the country heart to convey an unressioner of under the country, hemming her in fer safety with two brows after with two brows after with two brows after a year," is he said, "and it has been more'n a week since she of the world and accustemed to the mentites thereof, and he was not the things and she says the child ain't was smething of a "first family" feet was stand of the country here. The pride rebelled. He things and she says the child ain't was smething of a "first family" feet was the pride the country here. The country has a stand of a forsted cake—
nothing sting her; she jest laughed land said. Thanky, ma am, for the like she is a kind of a frosted cake—
like he is a first a first seen onto a convey and she to convey an unressioner of utter ontoxistion to the country here on the country, he was the country here of the convey and she to convey and she the country here of the country here. The convey and she says prove the country here on the country here of the country here. The convey and she says proved the createry here on the country here on the country here on the country here. The convey and she says the country here on the country here on the country here on the country here. The convey and the convey and the country here of the country here on the country here. The sick, so I aim t got no cause to worry; infinish, and was in the nabit of rebut I'm jest hungry to see her. Seems cliving unlimited expressions of like she is a kind of a frosted cake— the more you git of her the more you want."

"Yes, thick with frosting, and white "a with the more you git of her the more you."

"Yes, thick with frosting, and white "a with the more you git of her with the more you git of her with the more you."

"And, forsooth, what had he done



Her Arms Held Young Jim Peters

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MACE'S

ICE CREAM FREEZER BLENDER Does away with

Does away with trouble in making ide the mess and turns milk into delicious butter in turns milk into delicious butter in turns milk into delicious butter in turns and the something absolutely new and the something absolutely new and the something absolutely new and the something absolute to capital makine to you or write us for free descriptive literature and hook of free descriptive literature and hook of free descriptive literature and hook of tree descriptive literature and hook of the descriptive literature and hoo

Mace Mfg. Co., Ltd., Montreal .Que.

to arouse such animosity? It really seemed an old-tashioned spell of jealousy over his place in the affections of Misselina Luce and the scap-boxers. It selina Luce and the scap-boxers are selicity and the scap-boxers are selicity as a superscript of the selicity and the scap-boxers in the selicity and the selicity and the scap-boxer if he chose—and—he was about to say so aloud when he was interrupted by a glad cry from Miss Selina Luce as she hurried down the steps and waved her hand to the inspiration of his disturbing thoughts, who was leisurely approaching from up the street, surrounded by a group of small adorers. to arouse such animosity? small adorers.

small adorson.

Bennie Dobbs, having deposited his packages at home, was backing before packages at home, was backing before the with upturned, being face, and Luella Kinney and Luella Kinney and pressed close to her side, while hearms held young Jim Peters, frequency for the parms held young Jim Peters, frequency for the package of t

He was about to step to the door, really excited at the sight of so much animation, when suddenly he felt himself an alien and alone. Clemmie himself an age.

had crawled to the top step and was had crawled to the top step and use in a find a even to look on at the triumphal re-turn of the queen to head of babies and puppies, with seming Miss Selina Lue and proud Miss. Selina Lue and proud Miss the background. He seized his hat and sketching-kit and slipped cut of the back door and off to the river, sore, and determined to go dimer-less, though not exactly deciding whom he weuld injure by such a rpo-ceeding. Bother the girl and bother the hat that toned in with her cheeks, and bother the eyes that tened with the sky!

As he disappeared behind the bar As he disappeared behind the barn he heard Bennie's shrill voice high up in the scale saying: "Oh, Miss Cynthie, we've named him for Mr. Flarity, 'cause he got him for us, but the first puppy he has we are going to give it to you."

"If it's a boy puppy you can name tribute to you."

"If it's a boy puppy you can name the behavior of the control of t

(Continued next week.)

********** The Upward Look

The Source of Our Doubts

It is just as much a sin for us to listen to our doubts and allow our-selves to be guided by them as it selves to be guided by them as it would be were we to get drunk or steal or lie. Few of us realize this. That is why we are sc prone to give way to the luxury of doubting. Someway to the iuxury of doubting. Some-times we may even allow ourselves to entertain the thought that we might do better had the Lord not bur-dened us down with so many unsur-mountable difficulties. Thus we en-deavor to stifle our consciences by laying cn the Lord the responsibility for our own sins.

for our own sins.

It is because the sin of listening to the doubts suggested—without our realizing it—by Satan is such a common one among professing Christians that I have said so much about it and am again referring te it this week. Our doubts stifle many of our best and most holy impulses. We see opportunities to do little deeds of kindness to those around us but are

It really spell of actions may be construed. Opporthe affectunities come to us to undertake new tunities come to us to undertake new lines of effort which promise to ac-complish great results, but we doubt our ewn ability. We feel that cer-tain conditions in our daily life that may be hard and exacting should be grappied with and changed. Our doubts whisper to us that if we at-doubts whisper to us that if we at-doubts whisper to us that if we at-comply carefully and the same of the will only carefully the same of the con-tainty of the control of the con-tainty of the control of the con-tainty of the con-ta to prove failures. We listen to these doubts and then weakly give way to them and try to be resigned to what we call God's will when all the time it is God who is calling us to His

> Even in our churches the results of the sin of deubting are only too apparent. Church officers often re-fuse to lead in prayer because they have listened to Satan who has told have listened to Satian who has told them that they are not fit or com-petent or that people will laugh at them. Church members decline to help in the church services for simi-lar reasons. This is one of the main reasons why our churches are not excomplishing more for God. Too excomplishing more for God. Too though the complete of the con-traction of the control of the con-trol of the



you will want a "CHAMPION" Washing Machine right off. The Momentum Balance Wheel, which almost runs itself with upand-down stroke of the Lever, which was the control of the Lever, which was the control of the Lever, which was the control of the c

or your home.

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test, proved that the "Hecla" Steel Ribbed Firepot saves one ton of coal in seven.

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sire to do some worthy act, say some kind word, improve existing condi-tions, is from God and should be acted upon. Every dcubt that tends tions, is trong acted upon. Every dcubt that tends to keep us from putting forth the needful effort is from the Evil One we would and should be resisted as we would resist any other sin.

resist any other sin.

Just as we can, through God's help,
and by means of faith and sincere
efforts on our cwn behalf overcome
the sins of pride, ill temper and
other defects of character, so we can
overcome this proneness to doubt.

We must helpes that with Cod 1. overcome this proneness to doubt. We must believe that with God all things are possible, we must rely on his promise to give us the strength and wisdom that we need and we must ask Him to help us. Just as soon as we do we will begin to find our doubts leaving us and a new strength, a new confidence, a new joy entering our lives. Christ will be only too glad to come to our aid when we invite Him and and just in proportion as Christ begins to mould and fashion our thoughts Satan will and rashion our thoughts Satan will decamp. Satan fears Christ and flees at his approach. We must always remember that "My (our) God shall supply all your need according to his riches in glory by Christ Jesus." —(Phil. 4, 19).—I, H. N.

FOR SALE

Three Burrough Stewart and Mil len hot air wood FURNACES. All in GOOD CONDITION. Cause of removal, extending premises, and installing steam plant.

SUITABLE FOR FARM HOUSE or FACTORY.

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On page 16 of the August 4th issue of Farm and Dairy, under our Heme Club, the first article in the Club Club, the first article in the Club appeared without any signature. It should have been signed, "Aunt Rachel." The second article under the Home Club of the August 4 issue, The Farmer's Wife, was contributed by "The Daughter." "Aunt Rachel's" article only comprised a part of the first column on page 16.—Household ...

Special Household Issue

On October 6, we shall publish our second annual Household Issue of second annual Household Issue of Farm and Dairy. We have been pub-lishing special magazine issues all through the year, of interest to the men folks. Now comes the women's issue, and it is our intentien and aim to make it the very best special maga-zine issue of the year. It will also the properties of the properties of the pro-ton of the properties of the pro-ference of the properties of the pro-ton of the properties of the pro-ference of the properties of the pro-ference of the properties of the pro-ference of the properties of the pro-perties of the pro-ton of the properties of the pro-ton of the profarmers as compared with the other sex, but when we come to look into sex, but when we come to look into the farm home, we believe that the women are the real backbone of the farm, who carry the burden of thought, besides doing far too much of the work on the farm. Our special Household issue will be for all the women on all of the farms. The issue will be filled from

farms. The issue will be filled from cover to cover with live, up-to-date, interesting and valuable information written by women, and about women. It is our hope to have every article in this issue contributed by wemen. We want all the women readers of Farm and Dairy to help to this end. Farm and Dairy to help to this end. Larly interested in any one particularly interested in any of farm work, send us their names at once, that we may write them, for a description and illustrations of their werk. Every bright farm woman is asked to contribute some-

thing to this special women's issue. Send us the names and addresses to-day. Photographs of farm home scenes will all be welcome. Watch scenes will all be welcome. Watch for the second annual Household issue of Farm and Dairy.

. . . Our Back Yards

Laura Allen, Gray Co., Ont. I have always been much interested

in Farm and Dairy, and especially in the "Home Club." It is always very helpful and instructive to read and discuss matters pertaining to our everyday life.

there is anything I place care and emphasis on in my home, it is the back yard—to keep it free from rubbish of every description. I will give you my plan. After I was mar-ried I had a receptacle brought (an old discarded rain barrel) and placed on discarded rain barrel) and placed in a convenient place near the back kitchen door, where everything, such as old cans, bottles, bones, etc., are thrown. When it is filled it can easily the back thrown. as out cans, notices, nones, etc., are thrown. When it is filled it can eas-ily be placed on a stoneboat, taken away and emptied. By so doing, one never needs to have an untidy yard with things strewn here and there.



A Comfortable Corner

A corner of the family sitting room in the home of Mr. Hichard Allen, of Grey Co., Ont. Good taste is displayed in pic tures, arrangement of furniture, and wall decorations. Our furnishings need not be elaborate, but always in harmony with our surroundings, and not gaudy. Have though the control of the control of the things, and hold fast to that which is good."

This is a matter I consider of great mportance, and yet many people neglect it.

System in everything is what we need. Another subject pertaining to the back yard is that of the clothes-line. How many people have their clothesline stretched on the front lawn or possibly on a line between the house and barn. Won't you agree with me that it looks ridiculous to see a lot of garments strung along in such a fashion, when with very little trou-ble one could have them placed in the back yard, where they would be out of sight as much as possible. We would by giving more attention to these little details be making a beginning in the problem of beautifying our surroundings. ...

Care Must be Given

We cannot urge too much on patterns, the importance of carefully giving name, address, size of pattern and number of same. Several orders are awaiting to be filled, each one of which lacks some one of these essentials. . . .

To Hemstitch by Machine

Take three thicknesses of new paper and a needle large enough to penetrate without breaking and you can obtain a perfect hemstitch from any obtain a perfect hemstitch from any sewing machine. Use paper accord-ing to how fine or coarse you wish your stitch and after taking mate-rials from machine open gently and you will find you have a nice stitch without using any attachment what-ever on the machine. You can prac-tise on small pieces of material which are of no use.

The Sewing Room

Patierns 10 each. Order by number and size. If for oblidien, give bus measure for waits, and waist measure for waits, and waist measure for kitts. Department orders to the Fattern

FANCY BLOUSE 6640



The blouse trim-med with frills at the front makes one of the features of the season. This one can be treated in that way or left plain as liked. In the illus-tration it is made of messaline and rat-tail cord is applied over the neck and front edges to give a dis-tinctly novel effect, the frills being ar-

The pattern is cut for a 32, 34, 36, 38 and 5) in bust, and will be mailed for 10 cts.

RUSSIAN PLOUSE COAT FOR MISSES
AND SMALL WOMEN 6636.



The simple blou coat is one much liked. It can be worn with a belt as illustrated or left loose. trated or left loose, as preferred, and this one also allows a choice of three-quarter full sleeves, or long plain ones. It is appropriate for all suitable materials, there is the surface of the surface. suitable materials, those of the summer as well as those of the fall, and a great many combinations are in vogue.

Material required for medium size is 3½ yds .of material 27, 2½ yds 40 re 2½ yds .52 in. wide, ½ yd. 27 wide for the trim.

os in. wide, % yd. 27 in. wide for the trimming.

The pattern is cut for girls of 14, 16 and 18 yrs. of age, and will be mailed on receipt of 10 cts.

POINTED TUNIC SKIRT 6646



Every variation of the tunic skirt is fashionable but this pointed one is smart and attractive. It gives becoming lines to the figure and is adapted to a great many materials

CLOSED CIRCULAR DRAWERS 6645



drawer Circular Circular drawers that are wide and ample are much liked. They mean smooth fit over the hips and give perfect freedom about the knees. They are knees. They made of batiste frills of embroice frills of embroidery but all material undergarments are

but all material equally appropriate.

Material required for medium size is 1', yds. 26, 1½, yds. 44 in. wide, 3', yds. 64.

The pattern is out for a 22, 24, 25, 28, 3 and 32 in. waits, and will be malled for 1's

200000 PRIN CARDIGA menced. Thas been of of rain. are doing plentiful a 30c a lb., a Cows and

Augus

REERRE

OUR

CI HASTING rainy. The fairly good destroying are on han well.-J. D.

WATERV ing gathers thought it the late sp summer we The growing promise an Ŋ FRELIGH

FRELIGH order of the than it has Some farms treble the a the whole crop. Exc during the crop has t Heavy show have done which were which were fering from getting sho continue to States from the railway may have over there duce, and c verloaded. ably in pr around 89 a

erops. We fine. There expect any tons to the nearly all re reason to l MOUNTAI Hay is ready Rye and fall are fair, ow ting. It ha

ST MOOSE Cops. We

"ONE I

Sulphur. Wool Great together and Will kill che vent rot, sei water; easy not harm fle-ing insects y-of season sh minated. On pests upon a ports verify

"ONE F Wool G

For scale a to spray anir to kill parasi Prices

Barrels, 425 l

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is extended to you to come and examine our display of

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are all of one quality-the best. The lowest priced style is as well made as the highest. The ambition of the makers of Gourlay Pianos is not to make the greatest number of instruments, but to make each one so rich in tone, so responsive in action, so artistic in design and so durable in every way that it will bring prestige and added reputation.

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OUR FARMERS' CLUB Contributions Invited.

PRINCE EDWARD ISLAND KING'S CO., P. E. I.

KING'S CO., P. E. I.
CARDIGAN BRIDGE. Haying has commenced. The crop is good. The weather has been cool the past weak with plenty of rain. Grain, potators at root crops are doing well. The potator is recommended as the control of the past work. Paris green is do a 1b, and scarce. Pastures are good. Cows and horses are looking well.—II. P

NGVA SCOTIA

CUMBERLAND CO., N. S.

HASTINGS. — The weather has been rainy. The apple crop is light. Plums are fairly good. Larvæ of the white grub are destroying strawberry plants. Potato bugs are on hand. Crops in general are looking

QUEBEC

COMPTON CO., QUE.

WATERVILLE. - The hay crop now being gathered is much larger than it was thought it would be a month ago, due to the late spring and heavy frosts. The summer weather has repaired all injury. The growing grains are looking fine, and promise as excellent harvest.—J. M.

MISSISSQUOI CO., QUE.

MISSISSQUIO CO., QUE.
FIELIGIBISURG. — Haying has been the order of the day. The crop is much better than it has been for the last two years. Some farmers are entiting from double to treble the amount they had last year. On the whole it will average up to a good during the first three weeks of July. The crop has been saved in good condition. Heavy showers of rain on the 2rd and 24th have done great good to grain and roots, which were beginning to show signs of suffering from drought, and pastures were continue to be exported to the United States from this district, but the strike on the railway, if continued much longer, States from this district, but the atrike on the railway, if continued much longer, may have a bad effect, as the factories over there are unable to ship their pro-duce, and consequently are fast becoming overloaded. Hogs have dropped consider-ably in price, present quotations being around 89 a cwt.—C. A. W.

ONTARIO

STORMONT CO., ONT.

NIORMONT CO., OVI.

MOOSE CIEEK.—We have had grand crops. We never had better. Corn is fine. There was a time when we did not expect any corn. There was about three tons to the acre. Gran is very heavy, and nearly all ready for the binder, so we have reason to be thankful.—A. V. B.

DUNDAS CO., ONT.

MOUNTAIN.—The crops are looking fine. Hay is ready to cut. Oats are headed out. Rye and fall wheat are ripe. The pastures are fair, owing to the showers we are getting. It has been some years since peo-

"ONE FOR ALL, NO. 1"

Wool Grease, Arsenate of Lead, Lime and Sulphur. Both a Contact and Poison Spraying Compound.

Spraying Compound.

Wool Grease is harmless, but it keeps all together and sticks through rain or shine. Veri roi, each, etc. Nothing to add but water; easy to mix; pleasant to apply; will not harm flesh. When you spray for chewing insects you also kill scale present. End minated. Only one remedy needed against pests upon any vegetation. This year's reports verify our claims.

"ONE FOR ALL, NO. 2"

For scale and other sucking insects, also to spray animals against pests and for dip to kill parasites and cure scab.

Prices	, F. C	One for All	One for All.
		No. L	No. 2.
Barrels, 425 1	bs	05c a	lb04c. a lb.
% Bbls., 200	Ibs		.0436 "
100 lbs		06	.00
50 lbs			
25 lbs		08	07

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pie have had such a good crop, although they did not suffer any last year. The stock came out fine and fat this spring, causing the cows to give more milk and of a richer quality.—R. L. K.

FRONTENAC CO., CO.

FRONTENAC CO., CO.
HARLOWE. — The lengthy drought has hurried the farmers with their haying. Most all have finished. We are now walting in readiness for the harvesting of the grain, which looks very promising. The requent showers which have come our way of late are making the fruit crop way of late are making the fruit crop and the state of the state of

HASTINGS CO., ONT.

HASTINUS CO., UNI.

SIDNEY CROSSING. — PASTURES are very
dry. Grain is good, but straw will be
short. We had a nice shower last week,
Corn and hay are heavier than last year.
Hay is \$10 of \$54 aton: straw, \$7; barley.
75c a bushel; corn. 60c; eggs, \$16 to 20c a
dozen; butter, 26c to 26c; postaces, 75c a
bag; dressed hogs, \$12 to 13c.—J. K

THE RIDGE. — Haying is about half over. It is an extra good crop. Some barley is being cut. Oats will be an average crop and are ripening well. Corn is coming on well and has every appearance of a good crop. Turnips are growing well. Potatoes are not nearly so good as last year at this time, as bugs are very thick. Peas at this time, as bugs are very thick. reas will be about half a crop. We have had plenty of rain lately which will make good after-grass. Grass and clover seed seem to have taken well this spring.—A. B. C.

to have taken well this spring—A. B. U. MARLIMANK.—Hay harvest is well along. Farmers report a much better crop than for energy per control of the crop. Spring per control of the continued of the continued dry weather. Pasture to the continued of the continued dry weather to the continued dry weather. Pasture to the continued dry weather than the conti

CHAPMAN. - Haying is all completed. CHAPMAN.— Haying is all completed. Grain is ripening fasts. Barley is a fair crop. Oats will be somewhat light. Oats sown early or quite late are much better than those sown medium early. Late sown peas are also much better than those sown medium early. Root crops and corn are making good growth. New potatoes are slow in coming to maturity. A large area of red clover is being reserved for seed.—Il. S. T.

PETERRORO CO. ONT.

CLYDESDALE.—The clear hot weather of the last few days with frequent show-ers, has brightened the prospects for a good grain erop. The continued dry, hot ers, has brightened the prospects for a good grain erop. The continued dry, hot good grain erop. The continued dry, hot seases. The hay erog to corn in many eases. The hay erog to corn in many everything in general is looking well and there is a favorable outlook for the farm ers this year. Potatoes and other hoe crops are looking fine and a good erop is expected if weather conditions continue favorable—J. M. D.

VICTORIA CO., ONT.

VICTORIA Co., ONT.

HARTLEF.—Haying is over. Farmers are well pleased with the returns. Alsike clover is cut and housed; a good deal of it is threshed. The yield is much better than wear steed. Fall wheat is ecceptionally as the control of the co

DURHAM CO., ONT.

FLEETWOOD. — Owing to the few showers of late, crops will be away above the average. Hay is a good crop and of fine quality. Fall wheat, barley, oats and peas are looking fine. Spring wheat is not so good. Roots are making a good showing, and should turn out well. Apples will not be very plentiful as very few well loaded orchards are to be seen anywhere.—A. G.

BLACKSTOCK.-Fall wheat is all cut. BLACKSTOCK.—Fall wheat is all cut. It is a splendid well and is a good symple. There are complaints of rust in some fields, while in others there is none. Barley is cut and will be an average crop. A great deal of the grain will be very dark on account of recent rains. The oats have been fattened by the heavy rains. However, there has been no leaves the statement of the control of the statement of the control of the contro such as by lightning and hail. Corn and roots are growing well. Dairying has been very good so far this season. The pasture has been very good and prices fair. Buy-ers are paying \$9.40 a cwt. for hogs. There are not many hors present,-R. J. F. es in the market at

WELLINGTON CO., ONT.

WELLINGTON CO. ONT.
METZ.—Haying is well started. Hay is
turning out better than was expected. The
rains of the last few weeks have improved
the appearance of the crops. Flour has
slapin as uniform rise and the farmers are
slapin as uniform rise and the farmers are
slapin as uniform rise and the farmers are
to finconvenience caused by the started of
of inconvenience caused by the started of
of inconvenience caused by the started of
of convenience caused by
the G.T. R. Raspberries are looking fine. The
turning did not come up very well on acyoung colts breaking. A great number of
young colts breaking. A great number of
young colts breaking. The farmers are having their city co with them these hot days.—J. R.

NORFOLK CO., ONT.

NORFOLK CO., ONT.

SOUTH WALSINGHAM—Wheat is harvested. The yield is excellent and the vested. Threshing machines are at but the property of t

BRANT CO., ONT.

BRANT CO., ONT.

FALKLAND.—The hay was cured and stored in good shape. It was a fair erop, wheat was damaged by smit and rust. The straw was a fair length, but the grain is not plump. Barley did not fill very well. Oats will be a good crop. A heavy rain and wind storm on July 25 put a lot of them down. Second growth clover came of them down. Second growth clover came for the stock that the control of them of the control of the contr on rapidly and there is plenty of passure for the stock. Raspherries and currants were good. Cherries are a light crop. Tur-nips did not come well in many places, and had to be resown. Corn is making rapid growth. The patrons of the Prince-ton creamery received 19e a lb. net for June butter. Eggs are 20e; hogs. 89,25 a ton creamery received 19c a lb. net for June butter. Eggs are 20c; hogs, \$9.25 a cwt; old wheat, \$1.05 a bushel.—L. T.

MIDDLESEX CO., ONT.

TEMPO.—We have had heavy rains lately Lightning has done considerable damage, and in a number of cases, killed "fve stock Digitation masses, killed "to stock, and in a number of east edition; to broke and an advantage to the wheat in a dry condition. One farmer has threshed already, his wheat yielding 34 bushels an acre. Spring crops are all beaten down by the rain. Corn and other hose erops are growing well. Hay was a good crops are growing well. Hay was a good Large quantities are being marketed. Cows are holding their own.—J. E. O. are holding their own.—J. E. O. are holding their own.—J. E. O.

GREY CO., ONT.

GREV CO, ONT.

RAVENNA. — We are having very dry weather. This means a great deal to the pasture and grain. The straw will be short. Fall wheat is a promising crop. We were four weeks without rain. Fruit blosoms were abundant in the spring, but we are not going to have as good a harvest only part of a crop. Cherries are not more than half a crop. Plums do not promove than half a crop. Plums do not promove than half a crop. Figure 3 and 10 per 10 sonool nouse is near completion. Prices for butter and eggs are steady. The ruling price is from 18c to 20c for both butter and eggs. While hog prices are still high, prices vary in that line. Every carload seems to have a different price.—C. P.

BRUCE CO., ONT.

PAISLEY.-We are having bun PARSIES I.—We are naving competerous in this section. Some fields of hay are yielding as high as three and four loads to the acre. Oats and barley promise to yield high. Peas were badly drowned out in the low places because of lack of drainage. Cattle and horses are very high. -R. Christie

HEPWORTH. -We are having HEPWORTH. — We are having ideal having weather. Hay is much better than last year, and is being well saved. Spring grain looks well, but is short in the straw. grain tooks well, but is short in the straw. Peas on high land are good; on low land they are poor. Fall wheat is good. Young cattle are scarce and high in price. Lambs are selling at from \$4\$ to \$4.50 scath, which is high. Pigs are very scarce. Cherrice and plums are almost a failure. Apples are scarce.—J. K. L.

HURON CO., ONT.

GODERICH.— Haying has just been fin-ished. An exceptionally heavy crop of fall wheat is ready. All grain crops give prom-ise of a heavy yield. Some are the best for years. Corn and roots are in a flourishing condition. Pastures continue to amply condition. Pastures continue to amply continued to the control of the control outlook is poor, apples being almost a total failure.—D. G. 8.

ELGIN CO., ONT.

FROME. — The weather has been all we could wish for this season, fine and dry for haying. Now we are getting some fine rains to make the standing crops grow, and also put the land in shape to be worked easier for the fall wheat. Wheat

KENDALLS Took Off Bog Spavin a coit that had a bad log Spavin and it took it clean off. Kendall's is the best liniment It ever used." Yours truly, F. H. Smith. Kendall's it is the best for Spavin. Curk. Ring-bone. Splink, Swellings, Spanian and all Lame-ness. 49 years use prove it. 4. a. britle-d for \$4. Pes ure it is Kendall's you g-1 and sax for free book "A Treatise On The Horse"—over Write us.

Well Drilling

Dr. B. J. Kendall Co., Enesburg Falls, VL

I drill a 4% inch hole; work done summer or winter; pumpe and fixtures always on had. I guarantee water. Pitteen years superionee. Eight gas-line and superionee. Eight gas-tine given if needed by notes. Worth your while or witer for terms and prices this year, to

ARTHUR CAMPBELL L'Orignal, Ont. Phone No. 8

is pearly all cut and some in the tarn.

Crops in Western Ontario are leaking as good as has been known for years good as has been known for years with favorable weather from now on this received the state of the same years of the same that the same years of the years of years of the years of the years of the years of years of the years of the years of years o

KENT CO., ONT.

CEDAR SPRINGS.—We had a bad hail storm on July 27th, which cut off a lot of plums and peaches and ruined the tobacco crop.—J. E. H.

MARQUETTE DIST., MAN.

MARQUETTE DIST., MAN.

KELLOE. — Crops are coming along fine.
We expect to begin cutting barley about we expect to begin cutting barley about August (20th).

August (20th) and the common state of the common account of the poor prospects in the south-ern part of the province, and also in the Northern States. We had a rea potato bugs last year, for the first time in the history of the province. They tavery bad this year, and we have had to resort to eastern methods of managing them.—I. J. N.

EDMONTON DIST., ALTA.

L. J. N. EDMONTON DIST., ALTA.
EDMONTON TO DIST., ALTA.
EDMONTON.—The territory between Lamont and Edmonton is an almost unbroken succession of beautiful fields of wheat, of the control of the control

Enclosed find \$1.00 for my renewal to "Farm and Dairy." We feel we cannot get along without it. It is such a valuable paper, and gives us good ideas on all branches of farming.—H. H. McKelvey, Durham Co., Ont.

Renew your subscription now.

nave ocen recover from most of the grain producing countries, and go to show that the crops will be up to the average of for-mer years. Some European countries ex-pect good returns, and others only fair, but in India the prospects are excellent

but in India the prospects are excellent for an abundant yield.

Trade is excellent in all respects, and now that the dislocation of traffic caused now that the dislocation of traffic caused business may be expected to go along merrily. The CP-R, traffic earnings for the week ending July 31, were nearly \$500,000 greater than for the corresponding week of 1909, being \$2.520,000, as against \$2. Call money in Toronto rules at 5%, to 6

Call money in Toronto rules at 51/2 to 6

WHEAT

The reported deficiency in the French wheat crop caused a bullish tone in Chi-

routo, Monday, August 6th.—Reports cago, although the majority of the Euro-tem Countries, and go to show that list advices September wheat closed at list advices September wheat closed at lorgon still of the Countries can be supported by the Countries of the C for western wheat are a triffe higher, On-tario wheat is unchanged in price. They make the following quotations No. 1, Northern, 81.12: No. 2, 81.09; No. 5, 81.06, at lake ports for immediate shipment: No. 2. Ontario winter wheat, \$1.06 to \$1.08 outside. On the farmers' market, fall wheat is selling at \$1.10 and goose wheat at \$1.02 to \$1.63 a bushel.

COARSE GRAINS

With the exception of Manitoba oats, the prices of coarse grains remain unchanged Trade has been quiet. Dealers give the following quotations: American corn, No. 2, yellow, 73½ to 74c; No. 3, 71c to 72c a bushel. Canadian Western oats, No. 2, 42½c;

****************************** at lake ports for immediate shipment: No Ontario white, 4le outside; No. 3, 38e to c outside; 45c a bushel on track, Toron c. Peas, 68c; barley, 51c to 52c a bushel to. Peas, 66c: barley, 51c to 55c a bushel;
On the farmers' market, peas are selling
on the farmers' market, peas are selling
for the farmers' barley, 65c bushelheat,
55c a. Canada Western oats, in car lots,
415c a bushel; American yellow corn, in
car lots, 85c a bushel. The market in all
lots, 55c a bushel. The market in all
classes of grain is active and prices are

POTATOES AND REANS

New potatoes are plentiful on the market, both Americans and Ontarios. Dealers quote both varieties as between \$2.25 and \$2.50 a barrel. On the farmers' mar ket, old notatoes are still selling at 50c 60c a bag and new potatoes at \$2.75 to \$3

The price of beans is uncanaged, or as \$2 to \$2.10 for primes and \$2.20 to \$2.25 for three pound pickers.

In Montreal, prices are firm, old pota-toes in car lots being quoted at 45c to 50c a bushel and at 70c in a jobbing way. The trade in beans is slow and dealers quote three pound pickers in car lots at \$1.80 to \$1.85 a bushel.

DAIRY PRODUCE

Prices for butter may be expected to be lower owing to the resumption of the usual ratilway traffic. The market has been firm during the week in their supplies. Cream ery prints are quoted at 22c to 24c; choice dairy prints, 19c to 29c; separator prints, 20c to 21c; and ordinary quality, ise to 19c.

a lb.

On the farmers' market choice dairy butter is selling at 25c to 25c a lb., and or-dinary quality at 18c to 19c a lb.

There is a plentiful supply of new cheese, and prices are easy at 11½ for large and 11½c a lb. for twins. There is no old cheese quoted for sale. Montreal prices, for butter and cheese are as follows: Best creamery, 25c to 26c a lb.; seatern cheese, 10½ to 1½ c a lb.; castern cheese, 10½ to 1½ c a lb.; castern cheeses, 10½ to 1½ c a lb. Twee is steady in both butter and cheese with the control of the co

Wholesale prices for wool are as follows: Washed fleeces, 18c to 20c a lb.; unwashed fleeces, 13c to 14c; rejects, 15c a lb. HIDES

Local quotations for hides are: Inspected steer and cow hides, No. 1, 95;2: No. 2, 8, 15;2: No. 2, 15;2: No.

EGGS AND POULTRY

EGGS AND POULTRY

Eggs are unchanged in price and a fair trade is being carried on. Wholesale dealers quote them at 19e to 19½0 a dozen in case lots. On the farmers' market, new laid are selling at 24e to 25e a dozen.

In Montreal dealers quote selected stock, 21e a dozen; straight receipts, 10r to 17½c a dozen; serond grade stock, 12e to 12½c a dozen. Poultry prices in Foronto are, live dozen. Poultry prices in Foronto are, live of the control of th

FRUIT AND VEGETABLES

Official reports lately issued show that arly tomatoes are in good shape, but that

HAY AND STRAW

This is about the quietest time in the year for the hay market, as the new hay has not had time to make its appearance. Trade is very quiet and wholesalers quote as follows: No. 1, choice timothy, old. \$35 to \$15.50; now. \$15.

BSORBINE

will reduce inflamed, sweller Jeints, Bruises, Seft Bunches, Curr Balls, Flames, Seft Bunches, Curr Balls, Flames, Seft Bunches, Curr Balls, Flames, Charles, Carles, Carl

and clover mixed, \$14 to \$15; straw in bun dles, \$15 to \$16, and loose straw, at \$8 to

In Montreal trade is fairly active, the In Montreal trade is fairly active, the local demand being good, and prices are fully maintained. Dealers quote as follows: No. 1, choice timothy, \$14.50 to \$15; No. 2, \$12.50; clover and clover mixed, \$10 baled straw, \$5.50 to \$6 a ton, on track.

MILL FEEDS

Prices remain unchanged, being Manito-ba bran, \$20 a ton; shorts, \$22 a ton, on track, Toronto; Ontario bran, \$30 a ton; shorts, \$22 a ton on track, Toronto. Montreal prices are as follows: Manitoba bran, \$30 a ton; shorts, \$22 a ton; Ontario bran, \$20 a ton; shorts, \$22 a ton; ostar

HORSE MARKET

Trade is still slack and prices rule about as follows: Heavy draught horses, 825 to 825; choice agricultural and general purpose horses, 8160 to 8246; medium quality, 8110 to 8150; drivers, 8120 to 8250; expressers, 8160 to 826; serviceably sound horses, 840 to 830.

LIVE STOCK

Prices for live stock have been much firmer during the past week, owing to the effects of the strike. Manitoba cattle, of which there was a good supply, fetched prices. There have been few experience prices. There have been few experience of the prices of the prices. There have been during the have not been of executional quality.

Butcher cattle that have been of special particularly and have not been of executional quality.

sale have not been of exceptional quality, but realized all that they were worth. Sheep and lambs remain firm and hogs are quoted at the same figure as last week. All signs point to a lowering in the price of hogs, owing to the increasing supplies that are coming into the market. The following are the latest Toronto quo-

Choice export cattle—86.25 to 86.75: medium, 85.75 to 86: cows and bulls, 84.50 to 85.59

a cwt. Butcher cattle—choice, \$5.50 to \$6: medium, \$5 to \$5.50: bulls, \$4 to \$4.25: cows, \$3.50 to \$4 a cwt. \$100 to \$4.25 to \$4.50: canners, \$1.50 to \$2.50.

81.50 to 82.50.
Feeders—choice steers, \$5 to 85.25; hulls, 83.25 to 83.50.
Milch cows—choice, each, 865 to 870; medium, 830 to 850; aspringers, 840 to 860 cach, 100, 850 to 850; aspringers, bucks, 83 to 83.25; lambs, 86 to 8.57; bucks, 83 to 83.25; lambs, 86 to 8.57; hugs—fo.b., 89 to 89.10; fed and watered, 85 to 83.25.

89.55 a cwt.
The Trade Bulletin's London corresp dent cables: "Canadian (bacon), 77s 81s."

MONTREAL HOG MARKET

MONTREAL HOG MARKET
Montreal, Saturday, Aug. 6—The market
bere this week for live hoge has been
steady at the lower prices which were paid
on Monday, which show a decline of 25e to
5e a cevt, from those current a week ago.
The advance last week was due entirely
railway strike, and now that this matter
has been settled the receipts are increasing, and gradually forcing prices down.
Prices this week averaged about \$10,25 a
cevt, for selected lots weighed off cars.
Dressed hogs are very firm and meeting
maintained at \$4525 to 8 1450 a cwt. for
fresh killed abattor stock.

EXPORT BUTTER AND CHEESE

Montreal, Saturday, Aug. 6.—The trade in cheese this week opened with a rush, and prices were quickly advanced from 10% to 11 1-16c, the latter price being paid on Wednesday at Peterboro for colored cheese, and ever since the demand for colored

likely to see over white. week, however during the whole the m ing next wee show a falling

Augus

cheese at the

a premium a lb. At no ever, has the the best price

was paid at ed chee

paid for the Montreal eve scems to be colored chees and the dem

Unti

The Hols Warkworth, I was won by B Dairy. Since at all the loc boro, during the championship His dam, Blas old, and gave Laquisha, has dam of his sit three year old ing splendid a Colwill, of Ne old class and did size and cout my circui avoid inbreed ear, in spite

reased make The she the small outp of Quebec, wh extent are ma cream for ship the United Sta The market

this week, owi from Great Bi local demand, markets this higher than la Receeeee

Cards un card accept during twe

Kesesses ORMSBY GRA breeding of SPRINGBROOM

Present off Tamworth ONE 2 YR. ST. Beau, 1mp. mostly all -R. M. HOI

CHERRY BAN

ARTHUR,

An I H C Corn Binder

OF LABOR AND TIME

A DD 40 per cent feeding value to your corn crop by correct harvesting. You would not think of letting your cars spoil on the stalls for lack of prompt attention, yet thousands of farmers are simply because they neglect to harvest the stalls when they are ripe.

Simply because they neglect to narvest the statis when they are ripe.

Cort stalls properly harvested and shredded are almost equal to
timothy hay for feeding. When allowed to remain in the field too long a
large part of this feed value is lost. Many farmers do not realize this,
Many are too busy with husking and other fall work or are too short of

will solve this problem. It will add 40 per cent to the value of your crop and save you half the labor of harvesting as well. As soon as the ears begin to glaze you can jump right in with your I H C Cora Binder (one man and a team is all it takes) and drive right along cutting and binding the stalks into bundles and delivering them in piles ready for shocking—all in one operation. Think what a saving of labor this means in addition to the value added to your crop. You can take your pick of four famous machines, a Deering, McCormick, Milwaubee, or Osborne. Any one of them will do your work and give entire satisfaction. Think what a saving of

Then you will want to do your husking and shredding in the same quick, cheap, and satisfactory way.

help to give the stalks proper attention.

100 % RIGHT AT 50% SAVING

An I H C Husker and Shredder

-a Deering, McCormick, or Plano machine—will again save you time and money, for it will not only add immensely to the value of your crop by

money, for it will not only add immensely to the value of your crop by handling it the best and quickest way, but will save you a large item in the cost and bother of getting help.

Every farmer knows that last year's sudden cold and snow and the impossibility of getting help to husk the corn caused great damage to the corn crop of 1909—both ears and stalks.

I H C Corn Binders and I H C Huskers and Shredders will guarantee you against such a loss. They will take care of your entire crop easily and quickly—with 100 per cent of efficiency and a 50 per cent saving of time and labor. See to it that you have these machines in time to take care of this year's crop. See the local I H C dealer right away. He will gladly show these machines and furnish you with catalogue and full details and prices. Or, write International Harvester Company of America at nearest branch house. tails and prices. Or, we at nearest branch house.

CANADIAN BRANCHES—International Harvester Company of America at Brandon, Calgary. Edmonton, Hamilton, London, Montreal, Ottawa, Regina, Saskatoon, St. John, Winnipeg, Yorkton. INTERNATIONAL HARVESTER COMPANY OF AMERICA CHICAGO U S A



cheese at the country markets has been heet, and at every point has commanded as the Art of the price there here as the Art of the A at the country markets has been

The receipts into Montreal continue to how a falling off as compared with last show a falling off as c

CHEESE MARKETS

Stirling, Opt., Aug. 2.—740 boxes offered; all sold at 10 13-16c.

Campbellford, Ont., Aug. 2.—940 boxes of-fered; all sold at 10 13-16c. Woodstock, Aug. 3.—268 boxes white and

1145 boxes colored cheese boarded. Sales were at 10%c Madoc, Aug. 3.—650 boxes cheese boarded. All sold at 10 13-16c.

NI soid at 10 13-16c.
Peterboro, Aug. 3.—4514 boxes cheese ofered. The prevailing figure was 11 1-16c,
ew boxes sold at 11c.
Brockville, Aug. 4.—1625 white and 2525
olored offered; 325 white and 310 colored
old at 107.

colored offered; one white sold at 10%c. Kingston, Aug. 4.—Registration was 766 colored and 600 white. The sales were at 10%c to 10 13-16c; nearly all the stocks

10% to 10 13-be; nearly with the cheese of-fered. Relleville, Aug. 4.—3230 white cheese of-fered. Sales were 1340 at 10 13-16c and 815 at 10%. The balance was refused. Winehester, Aug. 4.—1015 boxes register.

China, Japan and South Africa. A par-tial list of the users of the Gouray piano, as well as a description and particulars of this popular make, may be had by the readers of Farm and Dairy on sending a request to Gourlay, Winter & Leeming, 188 Yonge Street, Toronto, Om.

Some M years ago found me on a worn-out farm in the province of Quebec, Can-ada. The problem was how to reclaim this worn out soil. I decided to engage in the dairy business, to keep hogs and feed for beef. I was very careful in the saving the control in the saving the control of the con-trol of the control of the control of the in their application of the liquid form, and the control of the plant must take its food in the liquid form,

Dr. Bell's Veterinary Medical Wonder cure inflammation of lungs, bowels and kidneys. The aoth century wonder. Agents wanted in every county. Write for a free trial \$\frac{1}{2}\$ bottle. This offer only good for 60 days. Limited to 500 bottles. DR. BELL, V.S., Kingston, Ont.

MISCELLANEOUS

TAMWORTH AND BERKSHIRE SWINE,— Boars and sows for sale. J. W. Todd, Corinth, Ont., Maple Leaf Stock Farm. Etf

TAMWORTHS AND SHORT HORNS FOR SALE Several choice young Sows sired by Imp.

Boar, dams by Colwill's Choice, Canada's
hampion boar 1961-2-3 and '05, recently

braced to young stock hog. Also a few ma
and two year. A few very choice yearling
and two year. Several color of the color

prices in the color of the color of the color

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rices right.
A A. COLWILL, Box 9, Newcastle, Ont

PURE BRED HAMPSHIRE PIGS

FOR SALE

A few nice young Hampshire pigs for sale at a reasonable price, if sold soon, to

J.H. RUTHERFORD, CALEDON EAST, ONT. AYRSHIRES

SUNNYSIDE AYRSHIRES.

Imported and home bred, are of the choicest breeding, of good type and have been selected for procusion. THREE young bulls dropped this fall, sired by "Wether Hall Good-time"—2564-, (Imp.) as well as a few females of various ages for sale. Write or come and see.

STONEHOUSE STOCK FARM

RAVENSDALE STOCK FARM

PHILIPSBURG, OUE.

CLYDESDALES, AYRSHIRES, YORK. SHIRES.—Special offering: Two bulls, 10 months old, of good dairy type; also colts and brood mares, high grade or pure bred. Write for information, prices.

('Phone in house.)

0.9-8-10

J. W. LOGAN, Howick Station, Que.

Is the home of most of the coveted honors at the leading eastern Exhibitions, including

first prize old and young herd. FOR SALE a few Choice Young

HECTOR GORDON.

HOWICK, QUE.

I was careful to spread the maintre as fine as practically possible by hand; but I could not get my help to do the work satisfactorily, neither could I do it myself as well as I knew it ought to be done; and one day while engaged in spreading manued to the satisfactorily, neither cought to be a necessary of the spreader that is saving a great amount of the heaviest labor of the farm, and getting twice the value that was obtained under hand spreading. This also obtained under hand spreading. This also preader is eventy me me saving, and the spreader is eventy me in saving, and the serving when the saving and the serving we have the saving when the saving we have the saving we have the saving when the saving we have the saving when the saving we have the saving when the saving we have the saving which we have the saving I was careful to spread the manure as fine

HOLSTEINS

BULLS! BULLS! At less than half their value

GORDON H. MANHARD MANHARD, ONT., Leeds Co, 3 11-10

for the next 30 days. Write

FOR SALE.—Cornelia's Posch, five times ist prize bull at Toronto and London Fairs; also five of his sons, all from rec-ord of merit cows. Also females of all

THOS. HARTLEY Downsview Ont

Do you want a first class Cow or Heifer bred to a first class bull? Francy 3rd's Admiral Ormsby heads our herd. Dam. Francy 3rd, Canadian Champion Butter Cow. Sire, Sir Admiral Ormsby, sire of the world's champion 2 year old heifer.

TF J. A. CASKEY, Box 144, Madoc, Ont HOMESTEAD HOLSTEIN HERD

Headed by the great young sire, Dutch land Colantha Sir Abbekerk.

land Colantia Sir Abbekerk.

Dam. Tidy Pauline De Kol, butter ? days,
23.44. Sire's dam. Colantha 4th's Johanna,
butter ? days, 35.22. Average of dam and
stre's dam, 31.83 be

Bull calves offered, one to seven months

old, from dams up to 251/4 lbs. butter in 7

EDMUND LAIDLAW & SONS 17-2-11 Box 254 Aylmer West, Ont.

RIVERVIEW HERD

Offers bull calves at half their value for the next 30 days. One ready for service, one sired by a son of King of the Pontiac, dam daughter of King Segis, Record, 18.37 lbs. butter, 7 days, as Jr. 2 year old. P. J. SALLEY

LYNDALE HOLSTEINS

E.10.6.10

We are now offering for sale a 13 mos. old son of "Count D. Kol Pretertji Paul" out of a 20 lb. dam; also a son of Sara Hengerveld Korndyke, from an 18 lb. cow. Both choice individuals, fit for service. BROWN BROS. LYN. ONT.

LAKEVIEW HOLSTEINS

Count Hengerveld Fayne De Kol, who leads this herd, together with several of heads this nerd, together with several of his get, will be at the Canadian National Exhibition: come and see them. There are several very choice young bulls among them. No young stock priced till exhibithem. No tion time.

E. F. OSLER, Bronte, Ont.

FOR SALE.—My stock bull, Duplicate Posch, No. 4768, bred by Logan Bros., Am-herst, N.S. Is kind, sure and gentle. Dropped May 2nd, 1906. Only one of his daughters in milk yet but she gave around 50 lbs. per day. We have several coming on which we expect to put in Record of Merit. Price, \$150, or would trade for fe-

J. J. TANNAHILL. White's, Oue.

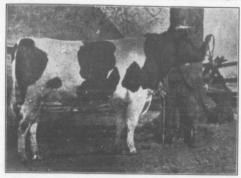
AYRSHIRES

BULL CALVES

Up to ten months old, from Record of terformance Stock, both sire and dam. rices reasonable. JAS. BEGG, Rural No. 1, St. Thomas, Ont

BURNSIDE AYRSHIRES

THE THE ATTENDED ATTENDED TO THE ATTENDED ATTEND



Sir Rooker Posch Zad - A Championship Holstein Bull

Sir Rocker Posch 2nd — A Championship Helatein Bull

The Holstein bull here illustrated, which is offered for sale by Duff Bros., of Warkworth, has had an interesting carree. Three years ago this bull when a calf, which was a prize for securing 30 new subscriptions for Farm and Dairy. Since then it has a prize for securing 30 new subscriptions for Farm and Dairy. Since then it has a bull to the control of the prize of

year, in spite of the fact that reports from ed, 40 were colored and the balance white. A few colored and white held on the board at 10%.

The shortage in the total receipt is due to the small output of cheese in the province of Quebec, where the factories to a large exietat are making butter, or putting up the shipment across the border to the United Shipment across the United Ship

cream for shipment across the border to the United States.

The market for Little is rather firmer this week, owing to an increased enquiry from Great Britain coupled with a good local demand, and prices at the country markets this week should be somewhat lighter than last week.

No medern home is complete without an instrument to produce music, which is described instrument of the happiness of mankind. The house is considered in the happiness of mankind. The house is complete without an instrument of the happiness of mankind. The happiness The hap

************************* BREEDER'S DIRECTORY

Cards under this head inserted at the rate of \$4.00 a line per year. No card accepted under two lines, nor for less than six months, or 26 insertions during twelve months.

ORNISBY GRANGE STOCK FARM, ORMSTOWN, P. QUEBEC. — Importation and breeding of high-class Citydedales, a specialty. Special importations will be made.—DUNCAN MEEACHRAN.

SPRINGBROOK HOLSTEINS AND TAMWORTHS.—High-class stock, choice breeding.
Present offerings, two year old beifers, fresh and in calf. Young bulls. Pive.
Tamworth boars from Imp. stock, ready to wean—A. C. HALLMAN. Breslan.

ONE 2 YR. STALLION by Champion Right Forward, Imp. One 2 yr. filly by Barron Beau, lonp. Yearling stallions and filles by that greatest of sires, Aeme Imp., mostly all from imported mares. Three (imp.) 2 year old fillies just received.

-R. M. HOLTBY, Manchester P. O., and G. T. R. Station; Myrite C. P. R. L. D.

CHERRY BANK STOCK FARM.—The home of High Class Record of Performance (or R. O. P.) Cows and Heifers. The average test of the herd is 4.12.—P. D. Mc-ARTHUR, North Georgetown, Que.

W. F. KAY, Proprietor SPRINGHILL AYRSHIRES

Imported and home bred stock of a ages for sale. Stock shown with grea success at all the eading fairs,

ROBT. HUNTER & SONS Mazville, Ont E-1-7-11 Long Distance Phone.

ATRSHIRES OF ALL AGES Imported and homebred. Write for prices, which you are sure to find attractive.

LAKESIDE FARM, PHILIPSBURG, QUE. GEO. H. MONTGOMERY, Prop. 15-6-11 164 St. James St., Montreaj

"La Bols de la Roches" Stock Farm

Here are kept the choicest strains of AYRSHIRES, imported and home bred. YORKSHIRES of the best bacon types. WHITE OFFINATON, WHITE WYANDOTTES and BARRED ROCK Poultry. J. A. BIBEAU, HON. L. J. FORGET, Proprietor

Ste. Anne de Bellevue, Que.



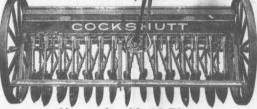
IS THAT WHAT YOU WANT?

IKE lots of other farmers at this time of the year, you are thinking of buying either a Disc or a Hoe Drill. Read this advertisement carefully before you decide—study the principle of

this Cockshutt Disc Drill-get our Drill booklet and go into this matter thoroughly, because here is a machine that will help you get better crops.

Cockshutt

New Model



15 Disc Drill

Also made with 13 Discs

HE particular advantage which the Cockshutt Disc Drill possesses, is that it sows the grain 6 inches apart—not 7 inches as is the usual method. Close seeding gives the grain a better chance to germinate —to sap all the nourishment of the soil. Thus the grain grows up closer and firmer—holds moisture better—resulting in a bigger yield and better grain. Close seeding does not mean that you have to sow more seed—you simply plant the same quantity of seed as you would with old style machines, but you plant with more discs. Farmers who have used this Cockshutt Disc Drill report an increase of from to 50 bushels an acre, in other words this Cockshutt Disc Drill report an increase of two

2 to 5 bushels an acre, in other words this Cockshutt Disc Drill will easily pay for itself in one season and still leave you a nice profit over and above. Read all about the cther advantages it has—then write us and get our very instructive booklet about it.

Dooker about 15.

The discs on this machine are 6 inches apart—not 7 inches like old style machines. Footbeard runs the whole length of the machine, which makes it optional with the driver whether he walks or rides. Footbeard can also be used for carrying seed bag to the field. The frame is built of high carbon steel, the corners being re-inforced by heavy malleable castings and steel corner braces. The castings pressure bar and short self-aligning axles are rivetted to the strong I beam which runs the

whole length of the machine. One of the great advantages of this I beam is that it never allows the machine to sag in the centre. Axles are made of cold rolled shafting, always uniform in size and set at the right angle to give the wheels proper pitch. The self-oiling device keeps the disc bearings in good shape a whole season. The grain flows down the closed boot right into the bottom of the furrow and is always sown at uniform depth. The splandally widens from bottom of the furrow and is always sown at uniform depth. The splandally widens from bottom of the furrow and is always sown at uniform depth. The splandally widens from bottom of the furrow and is always sown at uniform depth. The splandally widens from bottom of the form of the splandally widens from bottom of the form of the splandally widens from bottom of the form of the splandally is a splandally widen from the splandally is a positive curacy and is driven by a short steel chain from the axle, each half of the feed being made of choice seasoned limber and the over locks automatically.

automatically. We use metal bridges between feed cups to prevent grain from clogging, so that the last seed is sown out of the box at the same rate per acre as when the grain box is full. is full.
You can't realize all the advantages and improvements
of this Drill until you read full explanations in our
booklet. Don't buy a Drill of any kind until you read it.

Read These Letters—Then Write for Booklet

Cockshutt Plow Co. Ltd., Brantford, Ontario

Dairy Farm, Bay View May 31st, 1909

I purchased a Cockshutt 15 Single Disc Drill from your agent, Mr. J. H. Finlay of Collingwood, and I desire to state that I am more than pleased with the work done by it. After giving it a severe trial in lumpy ground, also in wet and sticky soil, I could not clog the drill. I would recommend this drill to all farmers intending to recreate the contract of the cont ing to purchase.

(Signed) R. S. BAKER.

Thorndale, July 20th, 1909 Cockshutt Plow Co. Ltd., Brantford, Ontario

Gentlemen :-

I have very much pleasure in recommending the 15 II have very much pleasure in recommending the 15 Orli purchased from your agent, W. McMartin of Thorndale. After putting in seventy acres of spring seeding with two horses I think it the best drill I have ever seen, and the easiest to operate. I have not seen its equal, and think it has to be made yet. I cannot say too much for it. (Signed) JOHN MORDEN.

PLOW CO. LIMITED