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##  Brantford Asphalt

A leaky roof always gets worse and is apt some day to cause a lot of damage to the crops in the barn or the furnishings and wall paper in the house.

With Brantford Asphalt Roofing selling at such reasonable prices, it is true economy to roof with it. There is hardly another line of goods that has had the small advance in cost since the war that Brantford Roofing has had. By installing improved machinery and increasing the volume of our output, we have lowered our cost of production which has enabled us to keep down the price of Brantford Roofing below what might be expected in the face of the rising cost of raw material, labor and transportation.

Old wooden shingles are being replaced with Brantford Asphalt Roofing. It can be laid very rapidly, saving time, which means considerable when labor is scarce and high. It is a wonderfully fire-resistant roofing-a fire starting on a Brantford Asphalt Roof being unknown to this day. It is also very durable being completely waterproof and the asphalt blended and tempered to resist all the extremes of the A So

Brantford
Asphalt Roofing
is finished on both sides with a surface of silicia sand and is made in three thicknesses and weights.
No. 1 is 60 lbs. per square. No. 2 is 70 lbs . No. 3 is 80 lbs ,
Brantford Rubber, Roofing
has the same high quality a sphalt saturation and coating as Brantford Asphalt Roofing but it has a smooth, rubbery surface instead of being sanded. It is also in three weights, No. 1 is 40 lbs . No. 2 is 50 lbs . No. 3 is 60 lbs .

## Leatheroid Roofing

Slightly lower quality than Brantford Rubber and used for same purposes. Has a leathery surface. Exceptionally good roofing at a low price. $35 \mathrm{lb}, 45 \mathrm{lb}$, and 55 lb . weights.

Standard Mohawl Roofing
While this roofing is lighter in weight than Brantford Asphalt and Brantford Rubber it is the best quality of any low price roofing on the market. It is a standard that has. been tested for years and given entire satisfaction. Sanded on one side. One weight only- 40 lbs

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A tough kraft paper coated with high-grade asphalt, For wse and wall, between foundation exterior a building, between foundation cement floors, underneath floors in houses, on walls before lath and plaster are put on-unequalled for damp-proofing and wind-proofing purposes Samples and prices mailed on reques.

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My oreranls and shitts are roomy
and comfortable, and mado mope.
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Wut and elevele mory Giloon Silo Fille to
ondiage with the cut and elvale more enilgee with the
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## PATENTS Cante pan

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B LONG
LOVES
wear any other make of pn the market, because om the itrongest glove obtainable.
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Every farmer knows the importance of having the fields free from weeds. Clean crops, higher prices and a saving of time and labor as well as increased value are the results. BURLINGTON STEELFENCEPOSTS
allow you to burn right through the fence, thus destroying all weeds. They make your fence fire-proof and everlasting. They will not rust or decay, They will not sag nor bend. Can be driven in a few minutes. No post holes to dig or staples to drive.
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## A Reminder

As it has been well said-some of us are "absent-minded beg. ars," and fail to look ahead. Many families have suffered from this cause. Yet if everybody knew at how trifing a cost such suffering could be altogether avoided, there would be fewer who fait to take advantage of the opportunity of Life Insurance
If the reader of this announcement has hitherto failed to secure the protection he ought to have, let him take the first step towards remedying this omission by sending his name, address and age to
The Great-West Life Assurance Company Dept. "Z" Head Office, WINNIPEG
when full details of the company's many
attractive plans will be sent to him.

## Easy to Operate

equipped with plain or fin cast or st
8,9 and 10 inches wide.
In examining the above illustration carefully you will note that it is an ordinary Walking Plow with wheel and a rear wheel to carry the weight of the driver, and a land beam wheel to
arrange the DEPTH OF THE FURROW AND
A FURROW DTSC TO A FURROW DISC TO GAUGE THE WIDTH. You will also note the beam used in this plow
is the ordinary length for Walking Plows, and the is the ordinary lens are arranged so that the the
draft attachments
whiffletres whiffletrees are are arranged so that the
end of the beam, thereby aster attached to the end of the beam, thereby assuring lightness of
draft. Why not have full particulars by writ-

TudhopeAnderson sulky plow

Tudhope-Anderson Co., Limited, Orillia, Ont. Eastern Distributing Houses: London, Ont; ; Smiths Falle, Ont.; J. Clark \& Son,

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The Simplest, most Accessible, most Powerful
3-plow Tractor on the market. Suitable for handling 3 plows, Threshing, silo
Filling and General Farm Work.


Individual Farmers' Threshers, suitable size to
e driven by small Tractors and Gasoline Engines. Do your own Threshing. Keep your farm clean
and save expense. Write for free catalogue, prices and any inforTHE ROBT. BELL ENGINE \& THRESHER Als, Steam Tractors and large size Threshers.


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'absent-minded beg.
have suffered from trifling a cost such
uld be fewer who fail surance. mitherto failed to his name, address
e. Company IPEG

EDITORIAL.
After the cockerels have helped to clean up the harvest fields, put them into crates and fatten them.

Manure spread as a top-dressing on old or new meadows is wisely placed. This is a practice that will

Fall versus spring plowing may still constitute good material for argument, but in these times the farmer,
with a full amount of fall plowing done, never regrets it.
'Don't skimp the calves because grain is short till after threshing. Purchase some concentrates and get
all the development possible at this, the best growing season of the year.

Harvest the fruit carefully and store it. There is usually a good market for farm-grown fruit after the surplus is cleared away. Our markets cannot absorb season's crop in six weeks.
Some dairymen like to give spring-born calves a short period on good pasture in the fall. This gras experience seems to fit them better for the pasture
season which follows the first winter.

In many parts the corn crop is a splendid one. All possible should be put into the silo and the remainder carefully preserved. Anty silage that can be carried
over to next summer will be appreciated when the pastures are dry.

No kind of food will contribute more abundantly to the development of a healthy, vigorous race of people should be generously supported in order that they may do honor to the dairy cow and popularize dairy products in the urban homes throughout Canada.

Prices of manufactured commodities are being held at a high level when, in fairness to all, they should be drops in value it is only reasonable that finished goods should follow suit, but organization and full control of the situation has enabled manufacturers to keep their price lists proped up. Henry Ford's example, if universally followed, would soon bring about normal
conditions. Prices are still inflated beyond reason.

The Dairy Branch of the Provincial Government or the Dairy and Cold Storage Branch of the Dominion
Department of Agriculture could very profitably perfect plans and specifications for combination milk plants in dairy districts. Some day the producers will erect equip combination plants in the rural districts and remunerative market. Thousands of dollars can be saved to farmers by having suitable specifications for

Farmers throughout the Dominion of Canada have struck a hard blow this season at exorbitant prices in is now the duty of our banking institutions to assist made to those who attempt to corner markets or hoard products. Money is also required by growers to assist them in housing and preserving their harvests until the into consumption will make the food problem easy for all, but if profiteers get control of any appreciable
$q_{\text {no }}$ the situation will become tense and there will

Marketing Live Stock.
As live stock producers we in Canada have worn deep and definite grooves out of which we make no effort come of certain conditions which influenced trading in years gone by, but in some instances they are due to seasonal and climatic conditions. If all were to change their ways or methods of marketing we would be little
better off. What is needed is a gradual swing away from the months of congested markets, and some relief for what exists now in the lamb trade. For twenty years the rush of good and poor lambs to market during to the bottom. We expect the market to absorb in less than three fhonths what it takes us a year to pro-
duce. Half the lambs are not ready for the shambles in September, but in they come, good and bad, fat and thin, with the inevitable result-lower prices and a small ration of grain and some good fall pasturage, the market would be stronger throughout and the returns far in excess of the annual receipts under present and past methods.

While the f. o. b. method of selling hogs may satisfy the individualistic farmer it is bad business from the
standpoint of hog production and marketing. Sometimes the buying at country points becomes so keen that the competitive market at the stock yards is not as reliable a guide to values as we should have. Without an open market it is difficult to establish prices and The one outstanding need of the live stock industry is more co-operation. This can take many forms, varying all the way from a small community organization that will breed one type of hog and be able to obtain or even Dominion enterprises, such as the Canadian Co-operative Wool Growers Ltd. If we don't hang together, we shall all hang separately.

Threshing and Silo Filling.
While farm operations are, as a rule, being conducted with implements much larger and more intricately are gradually making adjustments in another direction as regards threshing and silo filling. There is a tendency back to the small separator that can be efficiently operated and owned by half a dozen farmers. Thresh-
ing and silo-filling equipment will eventually conform with the 8-16 or 10-20 tractor, and small groups of farmers will be masters of their own destinies in regard to these operations. Conditions demand these changes, ditions than to alter the circumstances which have a direct and powerful influence on agricultural affairs. Never in the last quarter-century has it been more difficult to get threshing done than it has been this season. Outfits have gone into the scrap heap and new equipment is exceedingly expensive. Many of the big outfits require overhauling which would cost in the A scarcity of outfits has developed during the last five years, and, at present prices, few seem inclined to invest in heavy equipment. The fall wheat seems to keep the gangs 'busy up to early in September, when Not until after the corn is housed can many farmers get grain threshed, and in the meantime they are inconvenienced through lack of feed.
Whether farmers like the medium-sized separator and a few more hours' threshing is not the determining factor now. The fall of the year usually finds one in need of grain when a half day's threshing is very dematch, will do the trick nicely, and five or six farmers
could operate the equipment among themselves to advantage. With this step taken the same co-operating group might just as well obtain a cutting-box of corresponding size and fill their own silos. The gang and outfit employed at Weldwood this year have 35 silos to fill, which means that some patrons will be delayed far beyond their wishes. More that that, there is a 'big demand for a few hours' threshing to tide the horses,
cows and hogs over the fall season, but this will have to wait. Tractors are becoming common; threshing and silo-filling equipment is being manufactured to conform with the belt power of the tractors in use, and unfess something unforeseen develops farmers will be forced, by the inconveniences experienced, to group themselves together for the purchase and operation of threshing, silo-filling and grinding equipment.

The Milk Market.
September has been a rather unsettled month for dairymen in Ontario because of somewhat serious disturbanices in the market. The sudden proclamation by
the Canadian Milk Products Company that they required no more milk for an indefinite period came at an inopportune time, especially as production costs were unprecedentedty ${ }^{\text {igh }}{ }^{\circ}$ and producers contributing milk to Toronto were then striving for fair treatment and a fair price. These two situations were more or less local in character in that they affected certain dairymen directly, but their influence should not be minimizga as the whole industry cannot escape the indirect and psychological effects the outcome will prodsce. For years we have been speaking of the cheese industry, the butter industry, the market for whole milk, the ice cream trade, etc., as separate and distinct enterthat the the great truth has been lost sight of, namely, that the dairyman's product is milk and his market for
it is made up of various units, all closely related, all competing, all manipulating, and each one exerting a direct influence on the others. Wheat may be graded into various categories, but it would not be good.business for farmers selling No. 2 hard to separate themselves from those with No. 1 hard to dispose of. The same is true of dairymen; their product is milk and there should
be the closest possible connection between all those contributing to the various demands peculiar to the milk market. This suggests community organization of such a character as 'will give producers control of their own product.

Cheese and butter have been and still are the cornerstones of the dairy industry in Canada. Farmers are acting unwisely when they allow factories manufacturing these staples to become scrapped, or absorbed by large
corporations interested in other lines of product. We are not condemning any line of goods made from milk, for the more diversified is the market the greater will be the demand for the product of our herds, but it is suicidal for producers to relinquish all local control and place themselves unreservedly in the hands of operators whether they be makers of cheese, butter, powdered or condensed milk, ice cream or what not.

Disturbances in the market are not new-they recur periodically. In 1914-15 the condenseries were overstocked with manufactured goods. There have been seasons when cheese was a better paying proposition than butter, and other years or periods again when the reverse was true, while in the winter, milk cah often be The one best solution of the whole milk marketing problem, as we see it, is local control of the product and the local organization affiliated with and acting in harmony with a central provincial body. One hundred farmers might invest $\$ 150$ each in a local plant that would
be equipped as a receiving station or for the manufacture oe equipped as a receiving station or for the manufacture
of cheese or butter. This slight investment which might only be a note to be used as collateral security

The Farmer's Advocate and HOME MAGAZINE.

THE LEADING AGRICULTURAL JOURNAL IN:THE

## THE WILLIAM WELD COMPANY (Limited)

JOHN WELD, Manager Agents for "The Farmer's Advocate and Home Journal," THE FARMER'S ADVOCCATE AND HOME MAGAZINE
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to Improve "The Farmer's Advocate and Home Magazine."






Umited



his farm and herd, amounting, perhaps, to fifteen or twenty thousand dollars, and make him master of the situation. After a survey of the whole Province by a represent tive of this paper, we recommended just such action,
anfri recent developments have convinced us that our suggestions were sound. A small plant locally owned or controlled might not alter the routine or affect
farmers locally so far as the organization of their farms was concerned, but it would afford a protection for obtained in any other way.

## Nature's Diary

Luminosity in Animals and Plants. The production of light by animals and plants is a
commoner phenomenon than is usually supposed.






 by means of this 1 iving tornch
bacteria which produce light.
$\qquad$ Some of these light-giving organisms have attracted
the attention of manlor ages and lor many yequs scientists have been seekng the explanation of their hight
producing power. No ond has done more in the in
vestigation of these organims than Dr. Raphacl Dubois.
swimming, and all three when flying. use these insects as lanterns by enclosing The native perforated gourd, and by means of these lanters, which on a sort of optical telegraphy. Dr. Dubois found that the eggs of this insect, and also the larvs, were luminous, so that in this case the phosphorescence is transmitted like the flame of life itself, without being extinguished for a single instant from generation to generation through out the ages.
dactylated Pholus, a marine of this insect and of the of France, which produces a luminous mucous, Dr. Dubois has been able to show that the generation of light by animals is due to the interaction of two chemical substances. One of these is an oxidizing agent, a zymase which he terms luciferase, the other an albuminous of these substances is brought separately in contact with air or water no light appears, but upon mingling aqueous solutions of the two substances a very beautiful glowing light is at once produced. Dr. Dubois has further shown that various oxidizing agents can take has so far not succeeded in manufacturing luciferime artifically.

Dr. Dubois has not, as far as I am aware, worked "fire-flies" or "lightning-bugs", but since in all the light giving animals which he has investigated he has found the same two substances it is extremely probable, if by the interaction of luciferase and luciferine.
The light produced by animals and plants
kind which man has been seeking to produce commercially for many years, that is a "cold light," or a light produced with the accompaniment of only an infinitesimal quantity of heat. Such "living light" is almost 100
per cent. efficient while the light of the most improved quartz mercury lamp is not more than 1 per cent. efficient, the rest of the energy being consumed in the production of heat and chemical action, both of which
are useless and the former of which is often decidedly objectionable. Since Dr. Dubois has succeeded in
isolating the compounds which produce this "living isolating the compounds which produce this "living research will result in the artificial manufacture of these substances and
systems of lighting

## The Modern Church.

Juist for a change, which is as guid as a rest ye tens the auld wumman and I thought we'd try gaein' to a and which Jean thinks doesna follow the Scripture in some o' its practices an' beliefs. But I tauld her that it sometimes happens that a chap will learn mair from
seeing the mistak's that anither fellow makes than he seeing the mistak's that anither fellow makes than he
will by listenin' for a week tae guid advice. We've had sae muckle o' that sort o' thing in oor lives, beginnin' shortly after we were weaned and continuing right up tae the time o' Dr. Frank Crane, and oor ain meenisters last sermon, that we're gettin' a wee bit fed up, in a
manner o' speakin,' and it finally gets tae be like the manner o' speakin,' and it finally gets tae be like the
rain that falls on the ducks back, in that it never reaches Onyway, Jean an' I thought we'd hear this ither me've been listenin' to, thinks I, for they say that Nature never made two blades o' grass alike, and it must be the Of course we took it for granted that we'd hear the same auld sangs an' hymns, and there's some o' them
that will stand a guid deal o' repitition, I'll say that for them. There are ithers that hearing them once or twice ought to satisfy ony reasonable mon, especially gin he's a lover o' guid music. And it was a couple or three
$o^{\prime}$ this latter class that we had that night. "Hark, from the tombs a doleful sound," and the likes o' that. Ine preacher asked that we all might be led tae do oor inest to keep, "or religion frae "deteriorating and becomJean, "I'mow afraid Sandy," replied Jean, "that ye're." gettin' what they're for, isn't it? Are ye supposed tae shut
yer eyes an' open yer mouth and swallow ilka thing the preacher hands oot tae ye? Ye'll be liable to get a guid
mony queer doses o' stuff intae yer system gin ve dae mony queer doses o' stuft intae yer system gin ye dae
that. When ye eat, yer dinner ye're careful to tak'
juist what agrees wi, juist what agrees wi' yer stomach, an' I'm thinkin' ye'll yer mind. It's got tae agree wi' yer reason an' experience.
we're in the kirk? Gie the meenister a chance." "A Ar richt",
I replied, "but I'm afraid frae the look o' him that he
doesna ken enough to tak' it."


He seemed tae consider it a dangerous subject. He got on to it once when he started tae talk aboot their rights thought seemed tae strike him that he was skating on pretty thin ice and he changed the subject juist as 1 pretty thinsel' up, thinkin'I was aboot tae hear something. There are ony number o' guid orthodox subjects. in the Scriptures an' oor friend was soon hammerin' at one o' these an' telling his congregation what they all believed an' what ilka one o' them had heard aboot
a thousand an' fifty times before. He cam' tae an end at a thoust, juist as I had given up all hope, and, after the perlast, juist as, I had given up all hope, and, after the per-
formance $0^{\prime}$ a few mair ceremonies, he gave us oor liberty.
"Weel, Sandy," says Jean tae me on the way hame, "ye're pretty quiet, for you. Are ye suffering frae anither attack o' mental indigestion or are ye meditating
"Jean," I replied "it's men like him that make me wish that I could talk frae the pulpit as weel as I mean hauld the plow or swing a scythe. Not only is he wasting his ain time but he's stealing the time $o^{\prime}$ all those people who thought it was their duty to come there to-night tae listen to him. He had an opportunity at it; but all he did was to keep on talking till his watch said it was time to quit. sermons that are being handed oot frae a lot $0^{\prime}$ oor church pulpits in this 'enlightened age,' as they call it Men an women, to-day, need, above all things, practical tae raise oorselves and ithers to a higher plane 0 ' living, baith mentally an' morally. What does it matter tae me what Abraham or Moses or Paul did under certain circumstances gin those circumstances bear no relation to what I hae to deal with? What Ineed is help an inspiration to tide me over the difficuty o to-day. believe in the preachin' ', 'daily duties.' Gin ye hae the right kind o' faith, says he, the 'daily duties' will be attended to. But experience tells us that this isn't so. It's only by continued effort that we can be true the help preached by a mon wha is in touch wi' the lives $0^{\prime}$ his people, wha kens their difficulties, wha understands sorror temptations and can sympathize wi' them in their sorrow. "Oor churches are not drawing the people intae them to-day as they should. And why, can ye tell me? Is it no', perhaps, because these same churches are no, supplying the moral an' spiritual needs o can't get what
When we go tae the toon and find that we we want in one store we juist naturally turn tae anither where we can. Sae is it wi' the warld in general. It canna mak' use o' the shop-wor'n, second-hand material it is ceasing tae patronize them. tak' the us men in oor pulpits wha are no' arraid to intae the life an' activity o' every-day existence, and who will be leaders o' their fellow-men, inspiring them by word an example to higher ideals an better lives. Ther true mission on earth and takin the olace that belongs tae her, by right, in the spiritual life o' the nation. ${ }^{\prime}$ me langer han usual', says Jean, who had istern's twa sermons, that I hae had the benefit, o, to-night. Ye're an auld man but a young preacher, Sandy. Onybody can see that. But na doot yer high ideals for the Church dinna live tae see it oorselves. Changes are unco' slow in comin' in this warld, and nowhere dae they come slower than in the Church, but Revolutions an' Reformations may cut a figure in the history o' the future as weel ase, they have in that o' the past. 'But her
Sandy, sae get awa' tae bed an' forget
start silo fillin' in the mornin, ye ken.

A Clear Field for Fall Fairs With the big fairs cleared away or drawing to a close in the various Eastern Provinces, the fedd is now open for the district, township or county fairs, wantly useful if properly managed and patronized by the people within their sphere of influence. If left solely to the secretary and directors without support these small fairs become a local holiday and nothing more. They should be made a community affair and all should do eir part. A great many can exhibit; others can assist services on fair day. Too many feel that the town people are running the fair, and consequently hesitate take any active part or offer their services. In many, farmers are not sufficiently forward in taking part and ssisting. This is onently forward ill town and country
 meeting prior to the fair would be a splendid thing to harmonize all the various departments and make each official and his helpers feel the responsibility imposed upon them. Grants, in themselves, can never make a fair. Enthusiasm, assistance voluntarily offered,
willing hands are the greatest factors contributing to the willing hands are the

# Founded 1860 

dangerous subject. He not compared tae noo, but the im that he was skating on aboot tae hear something.
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support these small nd nothing more. They exhibit; others can assist ndition and giving their d consequently hesitate hesitate
In many e fall fairs because forward in taking part and ously, and a get-together thing to mposed

## THE HORSE.

Wounds and Their Results While it is usually wise for the average horse-owner
secure professional attention in cases of serious to secure professional attention in cases of serious
wounds, it is well that all owners of horses, or those in wharge of them, should have an intelligent idea of the charge of them, sher frea accidents of this hature. In
proper trent many cases, where important blood-vessels are severed
fatal hemorrthage would regit before aid could be got, unless eflecter cases it may not be possible to sol the while in of a veterinarian, and treatment must services end upon the skill procurable, hence we believe
sity, depend
minsider rather minutely the different kinc's of wounds, and the necessity or advisable manner of treatment. Wounds are classified under the following heads: Incised,
and poisoned.
Incised Wounds.-An incised wound is one made by a sharply and smoothly. There is practically no tearing or bruising of the parts, hence, on account of the bloodvessels being cut instead of torn, the bleeding is usually
greater than in wounds of a different nature. If the greater than in wounds of a different nature. If the
wound be made parallel to the couse of the muscular so long as the parts are kept in apposition; but if the incision be traverse, or across the direction of the muscular fibres, or to the axis of a limb, the lips of the wound will be drawn apart in proportion to the tension of the
muscles, the deep seated tissues often dividing muscles, the deep seated tissues ore
further than the superficial owing to the retraction of further muscular tissue, and a cavity is sometimes formed in which blood and pus will collect and retard healing. be said to be somewhat simple, but some important points must be observed, viz., first, to arrest bleeding; second to remove all foreign bodies and cleanse the wound
thoroughly; third, to effect and maintain co-adaption, to guard against excessive inflammation, and prevent infection Ehleeding, whether from an artery or vein,
in unless slight, must be arrested promptly. If from an
artery the blood will be of bright red or scarlet color and escaping in jets: il if from a
vein the color will be a dark ing and check the flow of bleeding is more profuse from incised wounds than from others. When the vessel is small, even though cut with a. sharp instrument, the
contractile power of its coats is sufficient to close the cannot take place as the force of the steam of blood is suffcient to overcome the contractile efforts of the coats
of the vessel. Hence bleeding will continue and may become serious, even though the vessel be completely scvered. In such cases the end of the severed artery
from which the bood is for, drawn out with a pair of forceps and tied by a ligatue. Carbolized silk or catgut makes the best
ligature, but when these cannot be secured, a clean string or thread may be used. In many cases it is
necessary to enlarge the external wound in order to be necessary to enlarge the external wound in order to be
able to secure the end of the artery, and occasionally a wound is in such a position that it is dangerous or by other means. If the wound be in a limb or where the yessels run close to a bone, and there is little muscular
tissue external to it, bleeding can be checked by pressure tissue external to it, bleeding can be checked by pressure
applied to it between the wound and the heart if it be an artery, and between the wound and the extremity, if
it be a vein. Pressure can be applied by buckling strap or applying a strong bandage or -ord tightly around
the limh Thic will n all the vessels enclosed in the part, hence the pressure must be left on only such time as is necessary to have the wound properly dresses, or until skilled assistance
arrives. When such assistance cannot be secured the
isolated isrives. When such assistance cannot be secured whe
is cleansed check the bleeding until stit the wound
is and, atter which a pad can be placed over the stitches and a bandage applied moderately
tight, to exert considerable pressure upon the pad
with wn a few haterially interfering with qther vessels. And
in
severed surred vescel and there will seldom be danger of a re-
curree of the hemorrbage. When the severed vessel is deep seated in muscular tissue, and cannot be taken up
and ligatured. the wound must be plugged firmly with and ligatured, the wound must be plugged firmly with
batting or other clean material, which is first rendered

of carbolic acid or one of the coal tar antiseptics, then bandages or sutures. It should be kept thus for 8 to 10 hours and the patient kept as quiet as possible in the meantime, when, in most cases, a clot will have formed,
and the packing can be removed and the wound dressed. and the packing can be removed and the wound dressed.
Venous bleeding is usually more easily controlled than arterial. If the vessel be small, bleeding will usually but if the vessels be large it is necessary to proceed as in arterial bleeding. Veins being more superficially
situated than arteries are usually more easily taken up and ligatured. up and ligatured.

## LIVE STOCK.

## With oat prices lowering the market for young pis s should strenothen.

Hog prices hold at a fairly even level, with receipts
Windfall apples, defective vegetables, etc., are relished by swine and if gathered and fed will aid in reducing the

We have heard of from ten to twelve cents per pound
being paid for stockers. These men are optimistic
Exercise is important with the herd sire. The possibly the ideal housing condition for the bull.

Have you tried feeding silage to hogs? Let a bunch of shoats loose in a pile of silage and see if they like it or
not. What an animal likes is very often good for it.

If the ewes are rather thin it will pay to feed them a few oats and if possible, turn them on fresh pasture.
Having a ewe in gaining condition at breeding time is adviable.

Mack ànd Knight.

For all classes of stock there is no one grain that excells the oat as feed. The bumper oat crop should
materially assist stock men in carrying their stuff through materially assist stock men in carrying their stuff through
the coming winter.

Give the boys an interest in the herd and floc even if it is only a ewe lamb or a young sow that they time enable them to purchase a promising heifer.

Don't forget the herdsmen's competition. Liberal prizes are offered for essays on the Fitting and Showing
of Beef Cattle. Particulars of the competition were published in September 2 issue of "The Farmer's Advocate." ${ }^{\text {p }}$. September 2 issue of the Farmer's

If you haven't got a good farrowing pen, make an
enclosure in the barnyard with fence rails or posts and build the straw stack over it. The sow and her litter will ask no finer quarters and if they can root in a near-
by paddock and secure green feed so much the better When $\$ 3.75$ per hundred is charged for present day quality bran one thinks of the days when millers were or twelve dollars per ton. But, then few of us would care to move the calendar back to those balmy days.
Few breeders own a cow that has produced four
prize winners, two of them champions at one fair in keen competition, yet that is what Morning Blossom 2nd did for Jas. Douglas. The sire no doubt, had
something to do with the quality shown by this quartett. The producer complains about the low price of hogs
while the consumer is aghast at the price of bacon and whims. Were our system of getting the products of the farm into the hands of the city folk less wasteful and
extravagant both the producer and consumer would

Some stockmen apparently do not try to improve their herds by use of better sires even after it has been such men are loud in their condemnation of farming as a profitable occupation. The fault too often lies in

Buyers are busy in the grazing districts purchasing bullocks that are about ready for the shambles. From shipping points in the northern part of Middlesex on cars in route for the leading live stock markets.

In looking ove notices quite a few new names among the list of prize winners; and many of these names are young men.
This is a very good sign. So long as young breeders are coming out with their herds there is no danger of retro gression in the breed or in the live stock exhibits at the
fairs.

One cannot tell what a herd sire is really worth price, but to-day it would 'no doubt take a long price buy him from his present owner. He has stamped his oood qualities upon his offspring and each year is further which are able to top strong classes. Off course the owner knows how to feed, fit and show stock.
A bull is not past his usefulness at three or four years of age; in fact he is only beginning to prove his
value or worthlessness as a breeder. The good ones hould be kept in service for the benefit of the industry. We realize that at three years his progeny are of breeding age and to avoid inbreeding a new bull must be secured, but why slaughter the good one? Is there not a breeder in the adjacent tocality that will exchange? There are with the multiplicity of poor ones.

The Effect of Breeding Ewe Lambs. BY it is the genaral oninion of sheen growers that awe lambs should not be bred but allowed to run open until the fall or early winter of their second year, so that they will lamb at approximately two years of age. It is felt that the demands of early motherhood result not
only in a greater percentage of weak lambs, but if only in a greater percentage of weak lambs, but if of the breeding flock. Then, too, some breeders report rather discouraging losses among these young ewes at the time of lambing. It is evident that if early breeding does result in weak lambs, loss of young ewes at time of lambing, or decreased growth of body or fleece, it is a early breeding can be followed successfully, it means quicker returns and greater profit from a given humber of sheep. To get some definite information on this important question, the Department of Animal Husbandry lambs in the fall of that year, and allowed others to remain open according to the usual practice.
The 1919 ewe lambs used in this experiment were out of common white-faced range ewes, showing a Oxford, Shropshire and Suffolk rams. They were dropped in May, 1919, allowed to run with their mothers on pasture during the summer, and then fed some grain
in the fall after weaning. Of the twenty-five ewe lambs used in this test, eleven were bred and thirteen left open. Those bred were mated to a pure-bred Hampshire ram lamb the latter part of December, so that they would lamb the following May, when just twelve months bred and re-weighed eight hours after lambing to get the exact gain in body weight during pregning to get the exact gain in beighy weight during pregnancy. was the average breeding date of those bred, and again weighed on May 22nd, which was the average lambing date of their mates.
Both the open and bred ewes were wintered in the pound whole oats, one pound prairie hay and one pound oat green feed hay per head per day. From these statements it will be evident that all ewes were fed and boused alike throughout the summer, fall and winter. The only difference was that part of them were
To secure information on the effect of early breeding
on the growth of wool, each fleece was carefully weighed on the growth of shearing-the first week in June, 1920 . The results are interesting.
103.53 pecember They 1919 , the open ewes averaged May 22nd, 1920, showing an average gain of 6.39 oun At the time of breeding the other ewes averaged 105.09 pounds and eight hours after lambing weighed 109.00 pounds, a gain of 3.91 pounds per head. In other
words, the open ewes gained 2.48 pounds per head more than those bred.
The average weight of fleece for the open ewes was The average weight of fleece for the open ewes was
8.27 pounds, as compared to 8.76 pounds for the tred
ewes-showing an advantage of 49 pound in favor of the latter.
Each of the bred ewes gave birth to good, streng single lambs, weighing an average of 8.43 pounds at birth, and raised one hundred per cent. They proved good mothers, though apparently the milk flow was not
as abundant as with more mature ewes.
ment that early breeding results in loss of young ewes at time of lambing. Nor have we found that immature
ewes give birth to weak lambs. Our results do indicate that when young ewes are bred to lamb when twelve months old, they will make slightly less gain in weight during pregnancy than if allowed to run open, though this difference of 2.48 pounds is not sufficient to condemn early breeding providing the difference has been due to lack of fat development rather than growth of frame.
This cannot be definitely stated until both the bred and open ewes have reached their mature form. In this test, even though the bred ewes sheared the heaviest fleeces, we would not want to say that this was due to fleeces, we would that they were pregnant, but rather'credit the difference to individuality.
In presenting the results of this experiment it is too done only after the ewes in question have fully matured. They will all be bred this fall, weighed at that time, effect of early lambing can be definitely determined Up to the present time early breeding has not proved unsatisfactory, though it should be kept in mind that the young ewe lambs used in this test were well grown at the time of breeding, and fed a little whole oats with their roughage during pregnancy

## Offsetting Sharp Declines in

 Autumn Lamb Markets.
We can go back twenty years into market history and practically without exception we will find that the main
lamb crop and the heaviest percentage unfinished lambs are marketed during the period between September 1 and November 1; during that time, prices are at the lowest levels of the year. Further investigation of from November up to the commencement of the nex fall run, the market for lambs and the quality of the offerings is at its best levels, and receipts at their low
The causes of sharply declining fall markets are lamb crop between September 1 and November 1 and approximately 75 per cent. of the annual crop during the benefit of the usually high August price we market with more regard to quantity than to quality, and we do not castrate our ram lambs. During the period from January 1 until the commencement of the next fal run we are short on supplies but fairly long on finish.
No market can take care of three farts of a year's lamb supply in four months and show a high average of supply in four months and show a high average of
prices, especially if the offerings are largely unfinished. Commencing with August of the present year prices on lambs moved sharply upward and toward September 1, heavy marketings of lambs of all sorts and conditions came out as a result: The effect was no diferent than during the same peri
prices dropped sharply eady they should be marketed it is true, but over half of our lambs are not ready at this period of the year and it is the heavy increase in the receipts that send prices to sharp and unprofitably low
levels. This is the case even though during the fal months we make practically eighty per cent. of our annual exports of live lambs.
Lambs that are ill-bred and unthrifty should not be held for any lentgh of time; they are as a rule unprofit however, be sacrificed by being offered on a declining or a low market. During twenty years the high prices and January, especially on quality stock. The year o 1920-21 promises to be no exception to the rule. We can utilize feed to good effect by bringing about a more
even distribution of supplies, and, therefore, a higher even distribution of supplies, and, therefore,

## Junior Farmer's Live Stock Judging

 Contest at Ottawa.There were 135 entries in all for the J unior Farmer's

$\qquad$
$\qquad$
$\qquad$ name and adrress of the prize-winnere, hits county and
total score. The possible score in each case was 200 , W. J. Bell, E. S. Archiball, A. A. McMillan,
 9. 7 . Cove Newington, (Stornuont), 180; 3

Athens, (Leeds), 147; 8, Walter H. Sparks, Carp,
(Carleton), 144; 9, Harvey Burnie, Spencerville, (GrenCarleton), 144; 9, Harvey Burnie, Spencerville, (Gren-
ville), 142. Datry Cattle: 1, Harold E. Wilson, 178; Gordon Diog, 176; 3, Joseph Tennant, Almonte, (Lanark), 172; 4, Douglas A. Ness, Howick (Quebec), 68; 5, Lawrence Gordon, 165; 6, C. J. Greene, Athens, 154; 8, Ralph Wallace, 152; 9, Mackie Henderson, 150 HEEP: 1, ${ }^{\text {EE. Armstrong, Kinburn, }}$ (Carleton), 165 Poapst, Northfield Stn.. (Stormont), 148, Keays, Almonte, (Lanark) 147.5 A Camphell Finch (Stromont) 111. \& Lloyd Poapst, Northfield, (Stormont), 108; 9, Wilbert Davidson, Kemptville, (Grenville), 106. Swine: 1, C.'C. Tenant, 173 2, Geo. Byers, Cardinal, (Grenville), 162 ; 3, Trevor R
Beckett, Kemptville, (Grenville), 147; 4, Wesley Eamen


First Prize Yorkshire Boar, Two Years and Over

## For the Kemptville Atriculturawa.

Northfield Stn., (Stormont), 144; 5, R. Bruce Ness, 140 6. Lloyd Poapst, 134, 7 , Harry Lee, Kemptville, (Gren-
ville), 128; 8 , Victor Kellough, Almonte, (Lanark), 127; Merritt Campbell, 125

## Live Stock Markets

Markets Intelligence Division of the Dominion by the ment of Agriculture, for the past month indicates that but a small percentage of choing of cattle there was with a year ago, receipts were low. There wared increase in the export movement of live cattle as compared with the previous months, but exports were 5
supply the trade, and as a result high prices will rule, August, as compared with 26,800 received received in same month last year Many of those ed during the under weight, owing, no doubt, to the scarcity and high

## Demonstrating to Dad

Som men become so sot in their ways little hings were done in such a wayld move them. Because think it is the only way to do it now. Unfortunate, indeed, is the young man, whose aims and ideals are to annot convince his father pure-bred stock, but who extra money for a choice individual Misability of paying are content to start with one or two Most young, men females and gradually work into a herd. However most fathers are from Missouri and if shown that better bred stock, different systems of farming, etc, bays in dollars and cents they yield grudingly at first, but later become enthusiastic and back their sons in their en deavor to keep abreast of the times and adopt twentieth hand of father to prevent them froquire the restraining scheme before first considering the foundationg into which it is built. Many of our good herds of dation upon been handed down from father to son, but some are the direct results of the boy's effort.

Tom Jones, an Ontario boy, was brought up on 4 saving machinery did not appear on the farm until it had proven its efficiency as a money-maker on the ing for themselves until Tom was the only started farmon the old homestead. Tom and his father got on well together and kept the work well in hand, but whenever subject was quickly changed by the father the brindle cows gave a fair quantity of milk, and the The could be disposed of when two years old although the price was not as good as that yeceived by neighbors usually attended one same age but better bred. Tom and atways went to of the large exhibitions in the fall arm products offered more attractir. The live stock and he midway. A keen delight wastan for him than did different classes of cattle judged, but always there was that longing to have stock of similar quality to show hen he visited the local fair one year and saw boys lass hewn age leading out steers and heifers in a spectat lay. But how he lid no would be an exhibitor some not hear to the purchasing yet know. Father would knew that the purchasing of even a calf to fit and Tom knew that the calves from the mating of the brindle


Prominent Agriculturalists at the C. N.

## 

 p the road lived a neighbor a topnotcher of a bull ata very high figure, at least
the neighbors said it was. Tom visited the farm occa sonally and greatly admired the new herd sire. Finally use this bull on one of the ows from the grade herd that too much m.oney was nvested to practice in-
discriminate breeding. The intention was to use him on father was somenly. Tom's him taking the cow to the neighbor's herd sire, but yielded and grudingly handdollars. Tom picked what he thought was the best cow registered sire. During the following months a study was made of feeding calves, the information gatherod on hand. Tom wondered full well that if. He knew better than the other calves his arguments for use of a
better sire would be in vain. Then, too a well-built, breedy-looking calf was wanted for the competition The general satisfaction in the way the Canadian wool at the local fair. In due time a fine heifer calf was rop is moving should offset any unwise liquidation of dropped and it really exceeded Tom's expectations marketed, and the market is maintained on the basis found that it critically as days and weeks passed ang of good quality. Recepts of hogs were far below normal, body with that breedy head was good to look upon. and in the West there were scarcely enough hogs received
daily to make a market. The report indicates that any weakness that may be found in the hog markets is not
due to a surplus supply of pigs in the country, and he father, silent at first, was frequently found looking admit that the use of better blood wasentirely responsible. The calf grew big and fat under Tom's care.
Another year had almost past and the fairs were again being held. Tom entered the calf and although ther was considerable competition secured the blue ribbon
He would like to have carried away the red, but he saw that his competitor held a superior youngster. The
sult high prices will rule"
00 hogs were received in
6,800 received duin received during the
those marketed were
the scarcity and high

## ng to Dad



September 30, 1920
pays not only in dollars and cents, but in gencral satis-
faction. As he was willing that more money be spent on herd improvement he began to realize that his boy was
more contented with the farm life and work than he hitherto had been. The boy now has an interest in the frm and is are exibitor at some of the larger fairs.
There are grade cows in the herd, but they are good
grades and a few registered cows have been purchaced as a foundation for a pure-bred herd.
Many farm boys have gone to the city because lack of sympathy on the part of the parents, in their
desire for better live stock or the practice of modern desire for better live stock or the practice of moderry
methods of farming. Value the boys' opinion and give them a share in the business and nine times out of ten
they will double their efforts in keeping the herd in condition and in getting the farm work done on time. stock, and the ambitious boy does not like to see his
hums carrying off the prizes at fall fairs when through no fault of his own he has nothing of show-ring calibre
to bring out. The farm-bred boy is the best help on the arm, and those inclined towards agriculture should be encouraged to keep the farm and stock in ship shape.

## THE FARM

Standing Field Crop Competition Awards at Ottawa.
The awards in the Standing Field Crop Competitio sheaves, grain and vegetables were as follows
Sheaves.-Fall wheat: 1, Garfield Kennedy caygeon. Oats: $1, \mathrm{H} . \mathrm{L}$. Goltz, Bardsville; 2, A. Bushneic, Lyn; 3 , M. Arkinstall, Dunvegan;4, A. R daga; 2, Wm. Cleland, South Mountain.
Grain.-Fall wheat: 1, Geo. R. Barrie \& So Grain.-Fall wheat: 1, Geo. R. Barrie \& Son, Galt
Garfield Kennedy. Spring wheat: $1, \mathrm{Wm}$. G. Wood Maple. Oats: 1, H. L. Goltz; 2, W. T. Arkinstall; McMillan, Cobden; 4, J. R. Fallis, Brampton. Barley Vegetables.- Potatoes: $1, \mathrm{C}$. Aymer, Humber Bay T. K. Aymer, Humber Bay; 3, Cooke Bros., Cataraquif
Dunlop Bros., St. Catharines; 5, Jno. McMullen unming's Bridge; ; J. McFarlane, Brantford. Onions 1, Brown Bros., Humber Bay; 2, W. H. Tricks, Ottawa; 3
Con. McConnell, Aylmer; 4, W. E. Crandall, Ingersoll; 5, C. Aymer; 6, T. K. Aymer. Tomatoes: 1, Geo Harris, Belleville; 2, W. H. Trick; 3, E. D Morgan Westboro; 4, Cooke Bros.; 5, J. McMullen; $6, \mathrm{~T}$. K
Aymer. Celery: $1, \mathrm{C} . \mathrm{E}$. Post, Brighton; $2, \mathrm{Ge}$ ${ }_{5}$ Harris; 3, W. W. Trick; 4, P. R. Bell, Humber Bay 5, G. W. Bycroft, London; 6, Arthur Cailton, Lambton
Mills. Muskmelon: 1, W. H. Trick; 2, Jas. Cox, Ottawa catharines; 5, P. T. Jean, London; 6, G. W. Bycroft Catharines; 5, P. T. Jean, London; 6, G. W. Bycroft son, Aylmer 4, John Baker, Cataraqui; 5, W. H. Tric

## Fruit and Vegetables.

 The exhibit of fruit and vegetables this year was very good indeed. There were a number of veryattractive vegetable displays, and the quality of the products shown, both in the plate exhibits and in the displays, was satisfactory. It is worthy of note that Farm was an exhibitor and carried off quite a large firsts. Among the vegetables the competition among the public schools for displays of garden stuff was
worthy of a great deal of attention, and the various disthe large crowds entering the Horticultural Building The awards in the school competition were as follows 1, Winchester, S. S. 20 (Mis.s Helen Baker, Teacher) Stittsville, (Ina M. Hodgins, Teacher); 4 Wrincipal); $\mathbf{W}$. Tillie M. Baker, Teacher); 5, Spencerville, (Blanch

THE FARMER'S ADVOCATE

Brownlee, Teacher); 7, Merivale, (Mary E. Wilson,
Teacher); 8, Kemptville, (Bessie Higgins, Teacher): Poultry.
As usual the upper floor of the Howick Pavilion was fairly well filled with poultry of all kinds. A much larger number of birds could have been accommodated than were entered, but the exhibit was, we believe
satisfactory. An interesting feature of the Centra petition. This year the competition was held as usual hut the representative of "The Farmer's Advocat leave the grounds. The exhibit of eggs in the Dairy Building along with the dairy products was not large

## THE DAIRY


F. Fingleton.

The Salting of Butter
The fundamental reason why salt is added to butter to season it to the taste of the consumer. Whe one time was believed that salted butter kept better in storage, qualities it has no appreciable effect salt has antiseptic quality fore upon the keeping from the standpoint of the creameryman, because salt is cheaper than butter-fat and it is usually the object of every creameryman to incorporate all the salt that the market will stand. Every creameryman likes to get as large an over-run as possible, and the addition of a possible amount of salt makes a larger over-rum
The amount of salt that can be added to advantage, however, depends upon the market to which the product Canada to manufacture butter that is much more highly salted than the butter manufactured in the Prairie Provinces. Nothing illustrates this more clearly than a glance at some of the churning records of the Dominion Educational Butter-Scoring Contest. These
records show that the per cent. of salt added at the time
the butter is being worked varies from 1.25 per cent in the case of a Western creamery, to 4 per cent. in the case of a Quebec creamery. The majority of the creameries add from 2.5 to 3.5 per cent. of salt at this of from 1 to 2 per cent per cent. of the salt in the butter the Western creameries, particularly Manitoba, each have less than one per cent. of salt in the butter of salt, while the three Alber from 1 to 1.5 per cent to 1 per cent The highest percentage of salt show from New Brunswick, where one creamery shows 2.8 per cent. of salt in the butter. There is a strong tendency among Eastern creamerymen to reduce the amount of salt in order to market a milder product which is gener ally considered to be of a higher quality. As a matte of different markets where salty butter is whird salt tolerance rather than requirements. This aut who is the manager of one of the largest creamery companies on the North-American Continent, says: "Ameri can markets demand a relatively high salted butter, with the exception of the Jewish trade which requires unsalted butter. The English market calls for a butter that is lightly salted, while Continental Europe, especially unsalted butter. Germany, Swizzeriand, etc., demand regulated by distant markets may vary from butter as bout 4 per cent of salt. There is not really a very marked difference in the amount of salt which the salted butter trade demands, but it is rather a question. of how much salt the trade will stand for or tolerate The manufacturer of butter naturally aims to salt his He will furnish the trade iust aper within the limitations regulated by the effect on quality as the trade will accept and tolerate. Some quarket are more critical and quicker to resent the imposition than others, but none really demand a very highly salted butte
It is very easy for the consumer to detect any varia the in the salt content of butter, and for this reason amount added should be uniform. Generally pased upon the best method is to use an amount of salt based upon the pounds or butter-fat in the churn. The to one and a half unces of salt per pound butter-fat, this amount being pased on the desired salt content, from 2.5 to 3.5 per cent. Such an amount of salt, however, is much in creamerymen apparently have in progressive Canadian creamerymen apparently have in mind, which apparently the butter when it is made
The amount of salt that remains in the buther depends on the size and condition of the butter granules, of salting, and the amount of moisture in the butter If the granules are very small, it is difficult to dissolve the salt, and much of it is lost in the brine. There is also little loss of salt if the butter has been allowed to drain thoroughly before salting. Butter-fat, however, will not dissolve salt, and for this purpose there must be moisture present. Butter with a low moisture content and gritty butter is usally the result of trying to in corporate a high content of salt in dry butter. Butter containing a large amount of properly incorporated moisture is capable of retaining a relatively high per cent. of salt. The commonest method of salting in our creameries is the dry salting method. Salt is sprinkled over the butter, either in the churn or on the distributed and dissolved. With hard butter the proper distribution of salt by this method is sometimes ery difficult and requires much extra work, while in soft, slushy butter there is a tendency for the grains of salt to become encased in films of fat, which makes it mpossible for the moisture to gain access to the salt Salt should be of the very best quality in order


Queen's Edward
make good butter. It should be both chemically and bacteriologically pure and, in addition, should be of the
proper physical consistency. So far as bacterial con tamination is concerned, the better brands of salt o the market are largely sterile and the processes through which the brine passes before the completion of manuundue numbers of bacteria. If salt is allowed to stand open in the creamery, however, it may become damp and attract large numbers of bacteria, among which will almost invariably be the types which render butter rancid and cheesy. For these reasons salt should be kept well covered after the barrel is once opened. Sometimes salt is stored in a special chest or bin, and in such
cases the cover should fit well and the chest should be cases the cover should fit well and the chest should be located in a place free from excessive dampness.
best butter salt contains from 98 to 99 per cent. of pure sodium chloride. Any impurities other than the pure salt are likely to encourage deterioration in the butter. Any appreciable quantity of gypsum in the salt also decreases its solubility, and if magnesium chloride is present a bitter flavor is imparted to
In connection with the physical condition of salt Hunziker advises as follows:
form of crystals of the that the salt be present in the form of crystals of the proper form and size. This
factor controls its readiness to dissolve and its ease of feing retained in the butter. The crystals must be of medium coarseness. Withen mer cyive difficulty, tending toward gritty butter, or necessitating the over-working of the butter. Their distribution also tends to be less uniform; the individual crystals are farther apart so that their action on the casein and the expulsion of buttermilk are uneven; and the fusion of brine and water in the butter is slow and relatively incomplete.
in turn tends to cause an uneven color in butter. "When the salt crystals are too fone the salt is prone to be pasty, which renders its uniform distribution difficult. Excessively small crystals hinder the ex-
pulsion of buttermilk because the drops of buttermilk which each crystal is capable of taking up are so small that their complete and ready expulsion is hampered. "Salt crystals of medium size, and which will pass through a screen having salt.

With reference to the shape or form of the salt crystals, the butter salts are divided into two classes, flae flake crystal salt and the cube crystal salt. The rhomboid or pyramid form, while the cube crystal grain appears in the form of regular-shaped solid cubes.
Since the flake grain, with the flat, thin crystal, exposes more surface in proportion to its cubic contents, than the cube crystal with its cube shape, it is obvious that the grain salt dissolves somewhat more readily and is crystal grain, unless the cube salt is of suff ciently
smaller grain to reduce the cubic contents of the cube crystals in proportion to their surfaces to that of the coarser crystals of the flake salt. The difference in the shape of the crystals is due to the temperature at which the brine is evaporated. The flake grains are the
product of evaporation at a high temperature (under product of evaporation at a high temperature (under
atmospheric pressure) while the cube crystal grains result from evaporatio

## Number Each Churning

Evidence of the fact that it is to the advantage of creamerymen to mark each churning with a separate
number that is stamped on each box or package of butter sent to market is furnished by the Market Division
Dairy and Cold Storage Branch, Department of Agri
culture culture, Ottawa, as follows: A Canadian wholesaler shipped a car of butter to
New York. On arrival there it was found that part of
the car contained excess water. As the churnings were the car contained excess water. As the churnings were
not marked, presumably each box in the car will be tested in order to sort out that which is adulterated. car of Ontario Creamery butter to Montreal during the as containing excessive water. One of the cars contained lot branded with the name of the creamery or churning number Arrangements are being made for testing
numbered, only one box of each churning need be tested and the cost of picking out the butter containing e
cessive water would only be one-tenth or less of th present cost. nc may be impossible in these cases to fix ay have sponsibility on the creamery and the dealer may hav crease in weight and quality but such losses eventually work back to the creamery. If the dealer must bear such losses, he must have a wider margin on which to do business. As most wholesalers to-day are testing th shipments from each creamery when received, and in case of excessive water, are charging hech hathe cost of testing, reworking and loss in weight and quality, by numbering each churning


Line-up for the Ayrshire Female Championship Ottawa, 1920.

Dairy News Notes.
It is reported in the London Grocer, of August 14
hat "Messrs. Lovell \& Christmas, Ltd., West Smith field, London, E. C., and Liverpool, who have larg branch houses in Manchester, Bristol and Glasgow, have just concluced an important arrangement in regard to of Quebe"c" A Trudel, the Manager of the Ouebe Farmers' Central Coperative Society of the Quebe Country some time ago when the cheese market suffered decline. The London Grocer comments on M Trudel's visit as follows, and says that he "came on visit to this country for the purpose of arranging for about 10,000 boxes weekly) to be sold direct to the


Castlehill White Easel.
at three-year-old cow and champion Jersey female at
Canada Exhibition, 1920 , for W. Lyall, Magog
Britsih provision trade, and as a result of the negotations uave been selected Messrs. Lovell \& Christmas, Ltd. first time that a society of cheese producers in Canada has arranged for its output to be sold direct to the pro

## The Dominion Bureau of Statistics reports a decres

 f 27.58 per cent. in the holdings of cheese in Canadan August 1,1920 , as compared with the same date las on August I, 1920, as compared with the same date last
year. The holding of creamery butter show a decrease
of 16.58 per cent.; ; airy butter, 29.65 per cent., and oleo-

The quantity and value of Canadian milk and mil July, 1920, is reported as follows: Fresh cream, 221,031 gallons, valued at $\$ 337,049$; fresh milk, $84,022,03$. valued at $\$ 62,065$ : butter, $1966,915 \mathrm{lbs}$, $\$ 1,051,287$; cheese, $25,187,191$ lbs, valued at $\$ 7$, 551,151 condensed, canned or preserved milk, valued at $\$ 1,152,902$. The fresh cream, fresh mil and about 40 per cent. of the condensed milk, as wefl a about 80 per cent. of butter was exported to the Unite Stes. United Kingdom. During this same period, according Canada imported from the United State 21,0는 butter $240,961 \mathrm{lbs}$, 442,811 lbs. condensed milk, 48,430 lbs. evaporated milk, and $5,440 \mathrm{lbs}$. of poẃdered milk.

A news note from the Dairy and Cold Storage Branch at Ottawa, states that new regulations have been passed an Act to amend the O importation, manufacture and sale of ole gorming in . All previous regulations have been retained glad to note that the use of been introduced., We are ery"" "dairy" or the name of any breed ' cream. prohibited (a) in any form of advertising or descristion of oleomargarine, or (b) on any package containing oleomargarine. Furthermore each package of olec margarine manufactured, imported, or sold, offered exposed, or"," had in possession for sale, must have the in capital block fetters, at least one and a half inclee high and of proportional width

During 1919, Wisconsin led all other States in the production of American types of cheese, as well as Swiss, Brick, and Munster cheese. The total
of these types amounted to $257,952,275 \mathrm{lbs}$.

Before the war, according to the London Times the total annual supply of imported butter availabl for Great Britain amounted to more than 200,000 tons. not exceed 90000 tons. Moreover. British sppply wil over the winter months is practically neoligible and ino appreciable supplies of Irish butter will reach the Birtish market from November to April. During July, accord to the Times, the British Ministry of Food purchased butter from the following countries:
Denmark, 9,000 tons, spread over July, August and Septerrber a 24 ss . per cwt., ( $521 / \mathrm{cc}$ c. per lb.), c, i. . all the exportable surns, etimated it s, all the exportable surplus, estimated at 8,000 tons, the African and Fastern trate Arger (about $42 \frac{1}{8 c}$. per lb.), c. i. f., less than half the quantity offered. Balance now going to the United States of A cable some time ago from A. E. Griffith, Cargo Inspector, London, England, reported that the Britit of New Zealand butter up to March 31st, at a net price of 280 shillings per hundred, f o. b. This would be retailed in London at 60 cents per pound. At that were in Great Britain arranging for the sale of an export able surplus of 3,000 to 4,000 tons to a group of large importers, at a price not likely to exceed 28 cents per pound, f. o. b. Australia. In connection with the retal
price of controlled butter in Great Britain, the London ocer in late August, contained the following:
The Food Controller announces that the maximum retail price for Government butter will be increased from 2s. 8d. (64c.) to 3s. (72c.) per 1b. on Monday, August 23. The return to the retail price of 3s. per
lb. for Government butter, is unavoidable in view of increased continental competition for the limited supplies available, and of the importation by the United State butter for which he quanticies of Danish and Dutch continues to be in very short supply and the Ministry has found it necessary to pay high prices for recent Alter also from the Cargo Inspector of Bristo, England, says: "In connection with the export of Irish butter, an order has been made prohibiting the exporto secure stocks for Irish requirements during the coming export of such a quantity as can safely be let out, while each producer will be required to cold-store a quantity proportionate to his output, or to sell such a quantity
to some wholesale merchant who will undertake to cold-

The following regarding the British cheese supply is from the Irish Homestead: "A Government distribuTo meet the remaining demand there is the Canadian wake, which is generally of fine quality, and an abnormally large British make, due to a a fifty per cent.p
reduction in the consumption of milk. When milkbecame too high in price people simply used less of it, ire also considerable supplies of Dutch Cheeddar and the Irish make. The Irish Cheddar, as at present made, unless at a difference of about 4 d . per 1 lb . to our dis-
make supplied the demand. The Canadian import

September 30, 1920
make is abnormally large. If meat goes higher in price
the demand for cheese as a substitute will increase This always happens. When any particular article in general demand becomes expensive margarine succeeds

According to a recent writer, the Union of South Africa is rapidly developing a dairy industry of con-
siderable importance. It is stated that "Whereas a few years ago very large quantities of butter and cheese were imported, during the twelve months of 1916-17,
not only was sufficient butter made in the Union for all local requirements, but a surplus of over $4,000,000 \mathrm{lbs}$
was exported overseas. During that season consider able quantities were again exported. The production of cheese during the year 1917 also increased rapidly,
and large quantities have been sold and exported. The Union may now be said to be self-supporting as regards remunerative export trade developing in both commodiportion of the Union is well adapted to dairy farming veldt from six to eight months

A Summary of the Milk Situation investigation by the Board of Commerce into the question of a winter milk price for producers supplying
the Toronto city milk trade. During this investigation, which lasted two days, the distributors as well as the
producers came under fire and although during this hearing the three members of the Board of Commerce,
Messrs. Whyte, Dillon and Acland were non-committal in their attitude toward the producers' arguments
the same could not be said for Major Duncan, counse the same could not be said for Moard, who on no single occasion that we can
for the Boat
recall, deviated from the position of a prosecutor in a recall, deviated from the position of a prosecutor in
criminal court. The result of this attitude was that instead of acting in the capacity of a fair price off cer
responsible to producer as well as the consumer, Major Duncan apparently chose to assume an "arrogance and
high-handed injustice" in the producers' demands and endeavored to prejudice the Board as well as the consuming public against the producer. Figuring prominMilk Commission, which, based upon the average
yearly cost of production of milk on 88 York County larms for the year ending June, 1920, and the of production of $\$ 2.96$ per can of $821 / 2$ pounds at the farm.
Adding transportation, the cost laid down at the distributor's plant is almost identical with the price of
$\$ 3.25$ per can agreed upon between the producer and distributor. For some reason the Board may have been
prejudiced against this provincial government report, possibly because of the prejudical advertising given
it before the investigation. At any rate the producer's case, which under other circumstances could safely
have been allowed to rest upon this report alone, was
made somewhat more diff cult on account of the circumstances just recounted.
The Board reserved decision pending further consideration of the evidence. Meanwhile 1,500 milk
producers, patrons of the Canadian Milk Products Company and largely resident in the counties of
Brant, Oxford and Middlesex, were notified on manufacture of milk powder on Saturday September 18
due to the accumulation of stork valued at $\$ 587000$ When this sudden action reached the Board we under-
stand that it was influential in further prolonging consideration of the Toronto price until it could be deter-
mined whether a much larger supply would be available confusion caused in milk powder districts, notably those surrounding the five C. M. P. manufacturing
plants at Brownsville, Burford, Hickson, Belmont and
Clanworth, the ensuing week "The Farmer's Advocate" has kept
as closely in touch with the situation as possible and has
endeavored to discover more fully the reasons for closing down these plants and especially on such short
notice. It is generally appreciated we believe, that the money market is tightening up and this might be a market for condensed milk has been none too strong also would influence any decisions as to manufacturing
policy. We have always understood, however, that
the C. M. P. could not take care of its domestic busines and that their very rapid expansion during the past
few years has not in any way been dependent upon convinced it has not yet been fully, if Of course there were no contracts and legally they were moral as well! whacy tends more and more to stress off cers of the company can never successully argue that
necessity for suth action toak them shey can they are not business men and producers
should by mo, means trust over $100,000,000$ pounds of
'THE FARMER'S ADVOCATE
I707
uncompromising so far as $\$ 3.25$ per can was concerned It was argued that every evidence had been presented to show that this was no more than a fair price and that
no evidence had been produced to indicate that it was not. A resolution was passed confirming the price as above stated and authorizing an appeal in the
an order from the Board declaring $\$ 3.25$ per can unfair. This meeting, however, was a precautionary review of the matter, and we do not anticipate that an appeal will be necessary. With feed conditions as they are the present price is undoubtedly fair. It is probable that the Board will issue no order at present, and it is not improbable the most logical way, it will endeavor to bring down feed prices. Producers want only what is fair, and if the cake and gluten can be reduced there will not be the same justification for the present price to the producer The Board has a chance here, which we hope it will ake advantage or, to throw farther intion

## A Correction.

In our report of dairy products at the Canadian National Exhibition a statement was made, in connection with the butter awards, as follows: It
to note from the awards that while there were entries from the Western Provinces as usual in the butter classes, they did not always win over Ontario and Quebec than eighth place hut this year they are found distributed all the way down the list." This last statement was a mistaken one and should have read: "In 1918 In 1919 , at least one first-prize went for Ontario butter, and several other Ontario entries secured higher than

## HORTICULTURE.

## September Fruit Crop Report.

A change has been made in the date of publication during the marketing season by the Fruit Branch during the marketing season by the . Truit Branch, Department of Agriculture,
will henceforth be issued in the middle of each month, instead of the first as has been the custo
The September report shows little variation in the of Nova Scotia. New Brunswick, Ontario, Prince Edward Island and British Columbia. A crop of about 900,000 barrels, or approximately 55 per cent. of last year, is expected in Nova Scotia, the estimate of the crop in given as follows: Round Hill, 75 per cent.; Bridgetown, 60; Granville, 50; Clarence, 50; Middleton, 50; Kingston, 50; Berwick, 75 ; Morristown, 75; Waterville, 70; Lake Canning 55 ; Bidsewater, 40, Caledonia 40 . The percentage of high grades will probably be greater than last year, since even in unsprayed orchards there is a been done, however, Gravensteins have developed more scab than any other variety. cent. of that of 1919. Wealthys are a full crop in Prince Edward Island; Spys, 75 per cent.; Gravenstens, Ribston, Mclntosh, wagner, Greening, and Ma fast, and on the whole the crop will be from 20 to 25 per cent. less than last year
Ontarich frut is reported as absolutely clean in many Ontario orchards, although scab is reported to have not sprayed. In the Bay of Quinte District, where the weather has deen very dry and warm, the fruit is slightly Onder-sized for District color has not developed as well as is usually the case at this time of the year, but throughout the whole Province the advantages of well-cared-for speaking, there is prospect of a crop which, as regards both quantity and quality, will be better than for a
number of years. normal, the last report, so that a crop of 50 per cent. of normah quality will also be good in well-cared-for orchards.
British Columbia has had an extremely hot summer and in some districts, because of ack of water, rapid Summerland districts show the best crops throughout,
although Rome Reauty. Winesad and Winter Banana although Rome Beauty, Wear at Penticton, while Winesap
are 80 per cent. of last yelicious is is 90 per cent. of last year at Naramata, and Delicious is
90 per cent. of last year at Peachland. Jonathan is about the poorest crop at Vernon and Summerland,
being 45 and 50 per cent., respectively, of last year. McIntosh is only 50 per cent. of last year at Summerland. August 28. Kent County, the chief apple-producing varieties being estimated at less than 10 per cent.
In addition to this, and because of removal of all restrictions on the sale of apples, growers have been rushing
supplies to market which has cuused a wide range in prices. It is expected that by the time price control
is resumed, on November 15, English-grown apples will

Sentember , inted Save the estimated apple crop tin the United States as $22,000,00$ bushels, and the com
mercial croo at $33,900,000$ barrels, which is an increase
 apeced that the state of Washington will histrie 326 cars; Spokane territory, 1,500 cars, Benton, Franklii and Adams Counties, 726 cars; wenatchee distric ${ }^{2,553}$ cars; Yakima County, 8,000 cars; other districts 175 cars. Oregon will have 2,500 cars of apples, anh
Idaho 3,500 cars
One combined crops of Washington, Oreron and Idaho 24,000 cars, as against 30,000 shipped last year. Illinois will have a crop of winter varieties equal to 30 per cent al crop: dio will probably harvest in excess off, 200 Ooo barrels; Virginia, something over 1,000,000 barrels; and New York, will have at least four times as many apple
as last year, but in one of the largest producing sections much of the crop will not pass as " $A$ ". Grade, while there is some doubt if the total quantity barrelled will exceed 150 . per cent. of last year. If cars can be tained a considerabie portion of the crop will probably is stipped in bulk to arge cities. The Delaware cro, as last year. Massachusetts may have 335 , opo barrels or a crop" equal to last year, while the Maryland crop will run 40 per cent. in excess of 1919.
Britith Cogard to prices, one of the largest shippers in British Columbia reports that there has been more for quite a long time anples than that many been experienced made at good prices. The price situation in Ontarii shows considerable variation. One association reports having sold their output at $\$ 5$ per barrel, tree run in barrels, . o. b. shipping point. Some orchards in will cost $\$ 5$ to $\$ 6$ per barrel packed for No price which will cost $\$ 5$ to $\$ 6$ per barrel, packed, for No. 1 's and 2 's number of orchards have been sold at $\$ 2.50$ or $\$ 3$ per barrel, on the tree. Packers are taking contracts to
pick and pack at $\$ 1$ per barrel. Several sales have been pick and pack at $\$ 1$ per barrel. Several sales have been
made in Nova Scotia at from $\$ 3$ to $\$ 3.75$, picked down in barrels, price including the package
be carefullowing notes contained in the report should . "Owing to the shortage of
in some districts has reached a very acute and which urge shippers to load and release cars promptly and the fruit. The various railways to the sate carrying of to move the freight cars with are uniting in an effor possible to growers and shippers, and co-operation with railroads is absolutely necessary
and ordinary shortage rates are effective from Canadian ports to United Kingdom ports: Apples and pears in per barrel from last season. Box apples 85 cents \$ pears 90 cents. Apples in ordinary storage $\$ 2.50$ per are this season not insisting upon the prepayment of
ocean freight charges. This is optional."

## POULTRY

## Fall Work With the Flock

The summer is over and the growing stock nearly
matured. There is nothing that grows so quickly as
a chick, and it is only a short time ago that they were
little fellows just able to walk around and now they
are large, husky birds. With the birds matured, new
responsibilities arise for the poultry keeper, for these
birds must have especially good care if they are to make
good as layers this coming winter when egg prices are
at their highest.
This is the time of year when the poultry houses
should have a thorough cleaning. First remove the
old birds that are to make room for the pullets, and then
go at the cleaning. Make a business of it and have the
work done in such a way that lice will be exterminated,
filth removed and every trace of former occupancy
$\qquad$
epraying all over, a and when it, but gis ise it a theronecth(2)c.an! will sice no further trouble. 1 Be sure ant-

Toronto, Montreal, Buffalo, and Other Leading Markets<br>



|  | Week <br> Ending | Receipts <br> Same |
| :--- | :---: | :---: |
| Week |  |  | basement contains a furnace, nportant to protect the apiar ering has the advantage that cellars in the milder patts of has to be watched and con at Kentville, $N$.

randon, Man., the best results.
ng, more import reful preparation for winter eft outside until zern results early in the spring intil cold weather. Neither ees, and, above all, abundance ed sugar, stored in the combe ce, if they get into the hives
n the colonies in a very short

## ULLETIN.

eak of Corn Borer ntario

## orer has come at last. For

 York and Massachusetts, and cautioned to be on the ean corn borer has come tery he front townships of Western it is rarely found, while in a it infested area 95 per cent Teast The European corn Mid also been discovered idcresex. Prior to SaturVellan the following ; Haldimand-Moulten; orchester South; MiddleDelaware i West, WestCaracc, Lobo moloritanch has had scouts be found in the Eastern Up to the present the infestation spreads out the European corn borer hand townships, but thenative lambs, $\$ 1$ to $\$ 1.50$ lower; fat
westerns, 50 c, to
75 co westerns, 50 c. to 75 c . lower; fat yearlings
and sheep, 50 c . to $\$ 1$ lower; feeding and sheep, 50 c . to $\$ 1$ lower; feeding

## Toronto Produce

## Breadstuff

Manitooba Wheat (in store, Ft. Wil liam)-No. 1 northern, $\$ 2.731$ northern, $\$ 2.701 / 4$ No. 3 northern $\$ 2.653$; No. 4 wheat, $\$ 2.491 / 4$. William)-
Manitoba Oats (in store, Ft. No. 2, C. W., 773/8; No. 3, C. W., $763 / \mathrm{s} \mathrm{c}$ extra No. i feed, $753 / 8 \mathrm{cc}$; No. 1 feed 753 c. N. No. 2 feed, 698 8c.
Manitoba Barley
in liam-No. 3 C. W., $\$ 1.14 ; \mathrm{N}$
$\$ 1.07$; rejected, 99 c .; feed, 97 c
American Corn (track, Toronto, prompt shipment). - No. 3 yellow, $\$ 2$, nominal.
Ontario Oats (according to freights outside)-No. 3 white 70 c to 75 c . Ontario Wheat (f. o. b. shipping points,
according to freights) No. according to freights). No. 2, winter,
per car lot, $\$ 2.30$ to $\$ 2.40$.
Peas (according to freights outside)Peas (according
No. 2, nominal.
Barley (according to freights outside) Buckwheat (according
side)-No. 2, nominal.
Rye (according to freights outside)No. 3, 1.75 . ard, $\$ 13.25$ new crop, Toront Oovernio Flour (prompt shipment)bags, Montreal; nominal, in jute bags, Toronto, $\$ 10.40$ to $\$ 10.50$, bulk, seaboard, Millfeed (car lots, delivered, Montreal freights bags included)-Bran, per ton,
$\$ 52 ;$ shorts, per ton, $\$ 61$; good feed flour per bag, $\$ 3.75$.
Hides f. o. b. Country Points.- Beef hides, fat cured; 9c. to 11 c .; green hides,
8 c . to 9 c .; deacon or bob calf, 25 c , to 50 . horse hides, country take-off, $\$ 3$ to $\$ 4$; No. 1 sheep skins, $\$ 1$ to $\$ 1.50$; shearling and spring lamb, 25 c . to 50 c .; hors City Hides.-City butcher hides, green flats, 12 c .; calf skins, green flats, 12 c .,
veal kip, 10c.; horse hides, city take-off, $\$ 4$ to $\$ 5$. . City rendered, solids in bar rels, 9 c . to 10 c. c country solids in barrels,
No. 1, 8c. to 9 c .; cakes No. 1, 13c. to 14c No. 1, 8 c . to 9 c .; cakes No. $1,13 \mathrm{c}$. to 14 c .
Wool.-Unwashed, coarse, 16 c . to 18c.; medium, 24 c . to 26 c .; fine, 32 c . to 34 c .
Farm Produce. Butter.-Trade continues to be firm,
with an advancing tendency. with an advancing tendency.
made creamery prints selling
63 c . per 1 b . solids at 60 c . 63c. per lb.; solids at 60 c . to 61 c . per lb
and choice dairy at 40 c to 50 c . Eggs. - Eggs kent practically st for No. 1 's and 6 cc . to 67 c . per dozen for
selects, wholesale. Cheese.-Cheese is a steady trade unchanged prices. New large selling at
$291 / 2$ c. to 30 c ., and old large at 33 c . to 34 c . Poultry.-Receipts, have been much larger, but the demand has been heavy,
especially for choice crate-fed chickens nd large fat hens; so prices have not varied. The following prices being quoted
to the producer: (the producer:
Chickens, spring, per 1 b , live weight,
33 c , to 35 s ; dressed, 40 c .; ducklings,


$\qquad$ Receipts continued to be very heavy
the beginning of the week, and price
were generally lower, more especially on peaches and plums. rices kept practically stationary at 30 c .
(50. per 11 -qt. basket, and $\$ 3$ to $\$ 5.50$
er blib
13 lueberries have been shipped in lightly
o prices have been slightly firmer at $\$$and. Shipments have bee

## quarts. Peach

 Peaches. - Receipts were extremelyheavy the bere prices were very low, but eased slightly towards the end, showing a firming
tendency; the six-quart baskets ranging cendency; the six-quart baskets ranging
from 40 c . to 65 c ., and the eleven-quart at 50 c . to $\$ 1.25$.
50 c per $6 \mathrm{qts} .$, and 50 c to 85 c at 40 c . to Plums continued to be shipped in from 20 and prices kept low, ranging 65c. per 11 qts. Prune plums bringing 65 c . per 6 qts . and $\$ 1.25$ per 11 qts .

## Vegetables have gen

in price-with heavy receipts, selling as
follows
Beets. -35 c . per 11 -qt. basket; $\$ 1.25$ Carrots.- $\$ 51.50$ -
Cabbage.- 50 c . per dozen
Corn.-15c. to 20c. per doze
Pepers.-Green
11 qts.; sweets, 75 c . . to $\$ 1$ per 11 gts
red, hot, 75 c. per 11 qts .; sweet,
$\$ 1$ per 11 qts.
Onions, $\$ 2.25$ to $\$ 2.50$ per cwt.
Potatoes. $\$ 1.60$ to $\$ 1.75$ per bag.

- Clover Seeds.-Dealers quote the f lowing prices at country points: Alsike,
No. 1, fancy, $\$ 14.50$ to $\$ 15.50$; No. bushel, $\$ 13.50$ to $\$ 14.50$; No. 2, bushel, $\$ 12.50$ to $\$ 13.50$; No. 3, bushel,
$\$ 12.50$; rejected, $\$ 9$ to $\$ 11.50$.


## Buffalo.

Cattle.-Cattle trade was considerably liberal runs at all markets and the fact that Jewish holidays were being observed, which cut quite a figure in the trade
shipping steers and fat females. Ship ping steers were mainly Canadians, runming largely to a medium to fair kind, $\$ 14.50$ to $\$ 14.75$. Two loads of yearlings averaging around 800 . pounds, out of
Michigan, sold up to $\$ 17$. While shipping steers and the bulk of the good to best handy butchering cattle sold a big half to, in some cases, as much as a dollar under price on the yearlings about steady, these
choice light cattle being in good demand. Fat cows sold generally from a quarter ruling about steady. Bulls were off a
quarter to half dollar. Trade on milk cows and springers ruled about steady, Offerings for the week showed 4,350 head, as against 4,975 for the previous week,
and as compared with 4,650 head for the
 plain, $\$ 11.50$ to $\$ 12$. $\$ 13.50$; common and Butchering Steers,-Yearlings, good to
prime, $\$ 15.50$ to $\$ 17 ;$ choice heavy, $\$ 14.50$
to $\$ 15 ;$ best handy, $\$ 12.50$ to $\$ 13$; fair to good, $\$ 11$ to $\$ 12$; light and common, $\$ 9$
to $\$ 10$.


$\$ .50$ to $\$ 10$; best heavy fat cows, $\$ 8.50$
to $\$ 9$ medium to good, $\$ 7.75$ to $\$ 8.25$;
cutters, $\$ 4.50$ to $\$ 5$; canners, good, $\$ 3.75$

Stockers and Feeders.-Best feeders,
$\$ 8.50$ to $\$ 9$; common to fair, $\$ 7.50$ to $\$ 8$;
best stockers, $\$ 7.50$ to $\$ 8$; fair to good, $\$ 7$
Bulls. Best heavy, $\$ 9$ to $\$ 9.50$; good
butchering, $\$ 8$ to $\$ 8.50$; sausage, $\$ 6$ to $\$ 7$;
light bulls, $\$ 5.50$ to $\$ 7$.
Milkers and Springers.-Best, $\$ 100$ to
$\$ 125$; medium to good, $\$ 80$ to $\$ 90$; com-
Mon, $\$ 35$ to Prices showed a break the first
when values went off 25 cents from thi,
previous week's close, heavies sold at
$\$ 18.50$ and $\$ 18.60$, bulk of the light hogs
Moocel at $\$ 18.75$, and pigs landed at $\$ 18$.
Friday prices were slightly lower, heavies
Friday prices were slightly lower, heavies
going at $\$ 18.25$ and $\$ 18.35$, handy grades
moved mostly at $\$ 18.50$ and pies, which
moved mostly at $\$ 18.50$ and pigs, which
were steady, sold at $\$ 18$.
Sheep and Lambs. Last week opened
with best native lambs selling at $\$ 14.50$,
top for Canadians, of which there were
ranged from $\$ 10.50$ down. The next
three days showed prices steady, and tridee days showed prices stealy, apere up to 50 tents, best natives selling at $\$ 15$ and $\$ 15.25$, with culls bringing up to $\$ 11$. Sheep were
little changed all week. Top wethers little changed all week. Top wethers
were quoted from $\$ 7.50$ to $\$ 8$, and while a few desirable ewes reached up to $\$ 7$, medium and heavy ewes sold mostly y
$\$ 6$ and $\$ 6.50$. Cull sheep ranged from $\$ 2$ to $\$ 4$. The past week's receipts were 19,400 head, being against 17,930 head for the week previous and 11,700 hea Calves.-Demand the fore
week, as a result of Jewish holidays, wa light, and while the week opened with prices somewhat lower, the decline was more than regained before the week was out. The opening day showed best veals
selling at $\$ 19$. Tuesday a few brought selling at $\$ 19$; Tuescay a few brough Thursday the best ranged up to $\$ 20$, and Friday the best natives sold at $\$ 0$ and there were only one deck, landing at $\$ 20$. Desirable native culls sold up to $\$ 17$,
Canadian throwouts moved at $\$ 16.50$ heavy fat calves on the rough order sold rom $\$ 10$ to $\$ 12$, and common grassy kinds ranged as low as $\$ 6$. Receipts for there were 2,910 head, and for the same week a year ago the run totalled 2,05

Monday's Live Stock

## Markets

Toronto, September 27 Cattle.-Re
eipts, 5,155 . With a fairly heavy run oo inferior cattle the market for butcher
cattle dropped from twenty-five to fifty cents, on the poorer grades about seventy averaging 1,010 Ibs., sold at thirteen cents, some small lots went at thirteen
and a quarter. Cows were fifty cents lower, Bologna bulls were steady, choice feeders were steady. Trade was active
with not too many of the right kind of short-keep feeders offering QuotaButcher steers, choice, $\$ 12.50$ to $\$ 13.50$ good, $\$ 11$ to $\$ 12$ : medium, $\$ 7.50$ to $\$ 9$
common, $\$ 6$ to $\$ 6.75$. Butcher heifers
 choice, $\$ 10$ to $\$ 11.50$ medium, $\$ 7$ to $\$ 9$ bulls, good, $\$ 8.50$ to $\$ 10$; common, $\$ 5$ to $\$ 11.50$; fair, $\$ 9$ to $\$ 10$. Stockers, good, Calves.-Receipts, 499. Calf market 19 cents: medium calves were hard to sell Quotations: Choice, $\$ 18$ to $\$ 20$
medium, $\$ 15$ to $\$ 17$; common, $\$ 8$ to $\$ 10$ Milch cows: Choice, $\$ 100{ }^{\text {to }} \$ 100$
Springers, choice, $\$ 125$ to $\$ 175{ }^{2}$ two thousand more than last Monday, lambs were steady with weak undertone,
Best lambs were fourteen cents. Sheep were about fifty to seventy-five cents $\$ 8.50$; lambs, $\$ 13$ to $\$ 14$. light runs hogs will likely maintain their last week's prices, packers bidding 21 and watered basis: Selects, $\$ 21$; lights,
$\$ 19$; heavies, $\$ 20$; sows, $\$ 16$ to $\$ 18$. Montreal, September 27. Cattle.market for butchers' cattle was at a
standstill. Packer's showing any interest. A few sales were light heifers in fair flesh and mediun-
quality cows. The top for good cows was \$9. A load of heifers and steers averaging
935 lbs. were sold to be shipped out at 935 Ibs. were sold to be shipped out at
$\$ 9.50$. Bulls were strong at $\$ 5$ to $\$ 5.75$.
Calves.-Receipts, 2,440. A few really

offering $\$ 6$ to $\$ 7$. Quotations: Good veal,
$\$ 13$ to $\$ 15$; medium, $\$ 10$ to $\$ 13$; grass, $\$ 6$
 or smater sales were made at the same
figure. Coodlambls were most commonly
Cood
quen to $\$ 7$. Lambs, Qoord, $\$ 12.50$ to $\$ 13$;
common, $\$ 10.50$ to $\$ 11.50$.

ceipts, 4,400 . Market was mostly steady on shipping steers from 50 cents to 75 cents lower on medium and common butchering grades which made up bulk of
offerings. There were no real handy cattle offered. 110 real, choice Hogs.-Receipts, 11,000: Good grades
were $\$ 18.25$, and pigs $\$ 1750$. Sheep.-Receipts, 9,600. Best lambs were $\$ 14.75$, and best ewes were $\$ 6.50$, with a few at $\$ 7$.
Calves - Receipts Calves. - Receipt
calves was $\$ 1950$

## Cheese Markets.

38 white and 3 , September 25, there vere $253 / 16$ c., on the Cornwall cheese sold at At Belleville, on the same day, 1,010 price. On the Perth sold at the same were 1 . 040 boxes sold the coard there $251 /$ and the white 2476 At bring Hyacinthe, Que., 200 boxes cheese sola at $243 / 4 \mathrm{c}$. The receipts of cheese on the whole milk, flats, current make, white and colored, specials, sold at 29 c . to State, whole milk, twins, current make, speciats, $28 \frac{1}{2}$ C. to $283 / 4 \mathrm{C}$. average run, auction by the United Dairymen Cooperative, in Montreal, was as follows: 148 boxes special colored at $25 \mathrm{~T} / \mathrm{c}$.; 1,400
boxes No. 1 colored at $2513 / 16 \mathrm{c}$; 38 boxes No. 2 colored at 25 c .; 302 boxes
No. 1 white at $253 / 8 \mathrm{c}$.; 10 boxes No. 2 white at 24

## Gossip

Messrs. Mitchell Bros., Gorrie, Ont. herd of Herefords, 43 head, at their farm, advertisement in this paper giving full particulars. They go on to say, "Secretary Smith visited our herd lately and when asked what he thoughter than I expected to see. It is too bad you are going out of business, but I suppose the cattle will go into good hands." our but are in gool grass condition, all cows are bred. Fourteen cows have calves at,

Shorthorns at Markdale.
The Curry, Bowes \& Bowes sale of advertised elsewhere in this issue to sell at Markdale, Ontario, on Thursday, October which are consigned by Mr Curry, and the balance by Bowes \& Bowes. The families represented bringing in probably as many fashionable tribes as have sold in they are only one or two crosses from imported sires and dams. Misies and prominent famulies are Mar-utys, Crim-Marr-Floras, Stamfords, Beautys, Village
son Flowers, Miss Ramsdens, summ, Rosemarys, Matchless, etc. year-old heifers, seven two-year-old seventeen bred cows, and four young bulls. Picking one or two here and there throughout the catalogue the forlowing breeding, and the footnotes state that their individuality is in every way quite carry. There is, for instance, a choicely bred Matchless cow selling with a hat foot, which is sired of Gainford Marquis (imp.). She is bred agatn to Matchless Duke, a son of Gainford Marquis (imp.). There is also a twocalf to Gainford Marquis, and shother prove one of the tops of the sale. Ontion are a two-year-old Sultan Rosemary, a two-year-old Miss Ramsden, and a twodividuals and all in calf to the service of either Matchless Duke or Excellsior There will he four bulls only listed but promising in particula ate herd sire sort. Full particulars may be had On writing Fred J. Curry, Markdale, talogue. The sale will be held at the

Founded 1866
arket was mostly steady
rs from 50 cents to which mad common which made up buth e
were no real, choic 11,000: Good grades best ewes were $\$ 6.50$

Markets.
comber 25, there ware colored cheese sold at he same day, 1,010 Cheese Board there , the colored bringing boxes cheese sola at were 2,243 . State,
urrent make, white 28 c . to $281 / \mathrm{co}$.
average rup
Dairymen Co
Dairymen co-
was as follows:
at $257 / 8 \mathrm{c}$.; $1,4 \mathrm{nn}$
25c.; 302 boxes
 will be held at the


Nasturtiums. There's a tangle of green below
The window by which I wait, Where the cinnamon vine sways to and fro And the ily nods low, swing high, And pour out your honeyder While out of the odorous deptne
The clematis blc ssoms shine.

Nasturtiums twinkle and blow Like an Arab host, when the sun sinks low, With banners and tents outspread. Their tents are the pungent lea
Their banners the riant boughs, Where in and about the sunlight w The butterflies wheel and drowse

Ruby and bronze and rcse,
Orange and buff and gold
The rarest tints that the summer knows Impris ned in every fold.
Had Iris herself come down And parted among them her rainbow gow They could not have been more faii
-Ola Moore in Youths' Companion.

Topics for Consideration.
D
 Those who have to do with the up
inging of children and young folk, she siad, should remember that the efficient ind requires ppirssical, intellectual,
sourishment at its
best $P$ anvical develol the body be properly fed, and clothed
that it have sufficient rest, correct sur roundings, cleanliness, exercise, play. Intellec' ual development is
upon intellectual food. The rendent
reading upon intellectual food. The reading
is very important. There should be we forget that the mental impressions at a "movie" may go through life. Since as well as the eyes, the things we listen to should be worth hearing. Then, the
mouth has its part in education; it is a scientific fact that the boy who use to make proper physical development, tobacco is a poison. For our
social development we have to mak special plans, and so we think about recreation-re-creation. In a purely
physical sense this is useful; every woman
knows the refreshment of putting on a fresh dress and her hat and going out to strongly in favor of directed play for school a better chance for this. "Ir game. What are the boys and girl going to do? Many take to teasing
smaller boys and drift into muschief Direct them and they will develop into
better adults. We do not consider enough the intellectual training in games tc. We should not let the child hav too long periods of undirected thinking
The spiritual life. Here also $\mathbb{f}$.od take of spiritual things and output o ciency the leaders must see to it that th development ar: all properly attended to and kept in halance. Healthy Children.-To have healthy
people we must have healthy babies have healthy parents and grandparents ling in the path of health; it is hard $t$ prevention
about, and to-day we feel that it is better
to prevent than to cure disease. We to prevent than to cure disease. We sick person is in a hospital. Again, it i
necessary for the caretaker of children to know a great deal. Once it was thought know she should read books, attend lectures, and study this important work. if the Lord had meant babies to be bottle babies He would have sent a glass bottle along. Also the mother must know to give water, when to add fruit juice,
cereals, cow's milk. Children need a cereals, cow's milk. Children need a quart of milk a day, and adults a pint of
milk a day to be efficient. Children milk a day to be efficient. Chitd not go without milk so that it can be sent to the factory; we should set our faces like fint rock against any such

The mother must understand that the baby must have fresh air, and proper
clothing, not too much in summer nor too little in winter. The baby should gain a it loses the mother should find week; if is the matter. Also she should know that the child does not have to have certain diseases. If a child has a sore throat in a docter at once; it may be diphtheria. We want to see that every child in the community gets proper attention, and
that the autherities see to it that every

child in the schools is properly looked During the first few days of its life g. in breathing. If it cries lustily it opens up the air chambers. By weighing
and measurements we can tell if is getting enough oxygen. It should breathe through less. Many children are mouth breathers What happens? They do not get enough air, and cannot be as physically or mentally perfect as they could be otherwise. It is the duty of parents to make ncse-breathers, if necessary they should take the children to a specialist in nose needs such care should have it, whether the parents can pay or not. if they are poor it should be a community matter If the pcople write for medical and dental inspection of schools they can have it. Parents often say, its our own busimess about having children examined." They feel something is being to see that eramination is necessary and helpful to the children helpful to the chindren.

At this point one member of the
audience remarked that in England and Germany people can be arrested fcr re anding to have theif chroltren examined referred to the credit due to the Women's

Institute here, in having clinics estab

Continuing, Dr. Young threw a stone at "comforts." Giving them to babies, she said, tends to grow adenoids and make thape of the child mouring the Not only should school children be examined but everybody should be examined every year by physician qualified to do it. The general practitionsometimes is not qualified. The biggest problem in Canada to-day is dragring absease. Mo people go may be that they have only "rheumatiom" due to an abscess at the root of a tooth. there is now a movement afcot for state control of health, and subsequent ris Depan brought out that the Ontario Department of Education is now taking spection but that the should be mor despatch in regard to it. Examination s now compulscry, but not operationDr. of sex education Human beings, she said, have glands all over the surface o hie body, also others that have no ducts, to the general circulation of the body and produce certain effects. There are clands at the base of the brain, neck thyroid), that have much to do with the nervous system; others in the upper abdomen above the kidneys (suprarenal) elp to control the blood supply; the or procreation.
In regard to the sex glands--the internal secretion has much to do with the efficiency of the individual. Young men and women who waste it never excel, are of cleanliness and improper clothing all ontribute to this. Mothers should know how to bathe the child and to clean the therwise the secretion dries is irritating and the child's hand is used. The child should be prevented trom forming this habit, which may be carried into life, wasting the efficiency of these glands. The chid may do bad work because of adencids, incipient tuberculcsis, add the reason should be investigated is failure may be due to bad air, in sufficient food, masturbation. We waht our communities to be educated to know that any child can form such a habit as he latter, and to know mo man or woma wastes these secretions

Dr. Young emphasized that the de elopment of the gir should not be hampered by unhealthful clothing or habit some people haye of holding up arly love affairs to criticism and ridicule This is a nermal phase, and mothers girls to meest in a wholesome, clean, normal way in the early meeting should be in groups. If a gir weeps or laughs easily it should be understood that these emotions are largely under control of the sex. glands, another reason why it should be We say that animals are controlled every part of the day we have to exercis choice. There is something in the human eing other than choice, which is operatwhich is at work in the waking mind; we is working all the time. Impression re made on this unconscious mind We put materials there that are going to color
he conduct of life. Human beings have instincts, among
them thcse fCr self-preservation and
race-preservation. These are down in a boy or girl doing things we wish they
wouldn't do. "What in the world does she see in that boy?" we say. "She she see in that boy? we say. go." We forget that the instinct of racepreservation is at work-an instinct
God-given, for a purpose. But it has o be guided, educated., We guide the physical food-we can't let childran we do not gaide in other ways because we have thought it immodest. And so today young people face problems because Young thought "Sex Instruction Through English Literature" a good book fo

Coming to the question of venereal
disease: Fire is a wonderful thing when controlled, a destructive thing when uncontrolled. The procreative instinct In
men and women is normal, but it should be guideduy In the ; mentally deficient the instinct is a menace. It is the duty of the community to see that the
bring forth others of their kind.

Anything in the unconscious mind is conscious mind. It is pussible certain things may never çme out; or they may people about themselves, and what to do if an impulse does come. Suppose we and suppose an impulse or temptation comes into the cons ifious mind. In some the temptation is. tremendous, and Children should be taught self-control by directed play. Physical exercis of stress, but should stop short of fatigue The mind should not concentrate on self or sex, but on something outside of selt-usually one's occupation in life.
Unfortunate is the person who has no Unfortunate is the person who has no a fad. Dr. Osler says that black smiths, as a class, are the cleanest lived of men. Always it should be impressed
that yielding makes a weaker character, and a tem
Certain things stimulate these instincts As a rule women are not influenced by aginations or the books they read; men are influenced by these things, hence
the great need of guarding what they see

Dr. Young thought parents should be
truthful with children and teach them something about the facts of life. We children; the normal child asks questions Tactfully telling them the truth not
mean much to their future development
it is important that they get their in
formation from the right sources; and not with unclean marks that will never be effaced. It is true that the facts of life can be given in a disastrous way, bu

Alcohol has the power to stimulate, and at the same time takes away self-control clangerous, hence trong drinks is most ieft absolutely alone. Also improper dancing. Dancing is a perfectly normal

and graceful expression, and " "don't
think you can do away with it" are times when even the gray-haired of the dances that permit the bodies of dances as the Oriental one called "shimmying". Many girls from the countr who go to the city are lonely and drift be warned.
Boys and girls should be educated in of its dangers. They should know about venereal diseases. Forewarned is fore

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## Mlushateris of part

## No. 3 -Introducing Half Meshes.

In the discussion following Dr. Young's address, she was asked the name of a
good book for parents, and recommened a little book "What shall I Tell My books. 'She would rule out Dr. Stahl's
books, which have alrcady been ruled
might. The taste for suggestive picture taste for really good pictures. The Perry prints might be used for this. In reply to a question as to dances, Dr. Young said to get them a old-fashioned square dances, ,, and Dr. Dandeno added "Folk dances."
Dr. Young added Dr. Young added that too much "spooning and kissing", should be controlled. The boy or girl who indulges in this too much before marriage canno give the great big love afterwards Children grow up better in a home where
there is this great love and confidence. there is this great love and confidence.
Imitating love makes people incapable Imitating love makes people incapable
of a worth while love. Those who trifle with human affection have to suffer for it They are not capable of the great, worth
while Iove which is the greatest thing one human being can give to another. It is the duty of parents to instruct boys-
and girls so they will not go on spooning and kissing a thold be raised ay. The physical basis. Power to overcome is in

Trip About "The Farm."
$\triangle$ N interesting incident of the Summer focturenm with one of the College trooped after the lecturer, and those hearest to him got the most benefit from At the potato patch he remarked that it has been found that the best potatoes for to see why this should be so, various experiments were made and it was found that seed planted about the first of July and dug after frost were better for seed than those planted earlier. The con-
clusion reached was that immature tubers make the best seed. . . "Irish the College, and Mr. Mason remarked that to ward off disease the potato tops were practically covered with Bordeaux all
he time; it is applied with a fine spray and care is taken to coat the under side of of potatoes shown to the visitors would, he said, yield a rate of 275 bushels to the is 12 oz . Paris green and 3 lbs. lead A plot of Yellow Leviathan mangels brought the remark that it is easy to grow it fresh-by planting a good firm having held over from the preceding season; and a question regarding potato seed
brought the renly, "Don't take the small potatoes for seed." The proper distance
apart for potato rows is 27 inches, with


No. 4 -Filet Crochet Design for Bottom of Tray. Butterflies Made by "Blind Man's Chain
uniformity for a carload the College is specializing on " "Irish Cobbler" Areen Mountain," both white potatto About Ottawa the pink varieties are
favored. The next plots were corn. Mr. Masoi nesota had claimed that corn that will Minproduce ears has the same feeding valuin were being cultivated ears; these plots to test the cultivated as an experiment Other plots were devoted to testing the varieties of corn. One kind had years, and was considered hardy, for 20 er big one from Texas hardy. Anothbut has not yet reproduced itself here

Wbat's the matter with this soil up here? Isn't it any good?
number question was prompted by interspersed patches of quite bare soil. green alfalfa, and Mr. Mason of emerald here experiments to ascertain the lon that various kinds of alfalfa have been another the species haye dis. One atoer the solitary exception of "Grimm's," which still holds the fort, hale and lusty, will prove long-lived. Experimegated now being carried on Experiments, are best times for cutting, also to develop a species with roots that spread instead very rich fodder crop. The average yield of the dried plant at Guelph is has come to the fore as a profitable pastime crop as well as for selling the seed. The white is more vigorous than the yellow. It may be cured for hay, but should be cut before the middle of Jume, as alter also as a cover crop, and some farmers are running a 2 -year rotation with it As many as 44 cattle have been pastured on 20 acres of it, the crop has then beenlet the next year in some down and sown course, it must not be other crop. Of or it cannot re-seed. An excellent portion of 2 bushels oats and 12 lbs. theet clover. Tramping does not huirt better stand of red clover-you get Experiments have been made at the Dawson Golden Chaff and Bulgarian 104". Also "O. A. C. No. 21" barley has been evolved and found to have mixture straw than "Manchurian." A to give a greater yield to the acre than either alone, 1 bushel barley and 1 of
eate oats to the acre. "No. 3," or "Dau-
beney," or "Alaska" oats will mature the ame time As the barley "O. A. C. No. 72 " usually takes more prizes than " 0 . A. C. No. 3," said Mr. Mason in reply. to a question, "but no variety of any
crop is universal; different soils give
different results." The best kinds of different results." The best kinds of grain have been distributed over Ontario
through the Experimenta! Farms and through the Experimental Farms and
experiments are being made with them experiments are being made with them
in various localities. As many as 100,000 farmers have experimented in connection witht the O. A. C., and one man who in
1911 got 2 lbs . "No. 72 " oats found that in the third generation from those 2 lbs. he had 35,000 bushel

MONG Rev. Dr. Tucker's devotional
 one on that most pertinent of modern subjects, Democracy. There is no secular no proane in the Bible, said Dr. Tucker. We are apt to think of the Ministry as sacred and
of Government as secular Not so-All should be to the glory of God. It is to be hoped that autocracy has
received its death-blow in the War. In the future we have to look to the reign of democracy. Even Japan is fast becoming a democracy; China is nominally a republic. Lincoln defined democracy as by the people." But this does not necessarily mean that whatever the people
want they must have. It is possible to rule ourselves badly, and the people
have no more right to do wrong than a monarch. Sometimes politicians forget this and do

Not a Milk Chocolate
書

-a delicious plain Chocolate


from its use. It is interesting to read sometimes put out. "The worm medicin digests the worms so that you may not
see any worms in the stools." That see any worms in the stools." That's
real clever to say the least. real clever to say the least.
So, once again-all toreth patent medicines.

## The Fashions.

How to Order Patterns
Order by number, giving age or measurement as required, and alloving Also state in which issue pattern an peared. Address Fashion Department The Farmer's Advocate and Home Magazine, London, Ont. Be sure to sign your name when ordering patterns. Many forget to do this
POSITIVELY NO PATTERNS WII BE SUPPLIED EXCEPT THOSE IL. LUSTRATED.
When ordering, please use this form:Send the following pattern to:
Name....
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County.
Province...................
Age (child or misses' pattern)
Measurement-Waist............Bust.........
Date of issue in which pattern appeared


## Founded 186

is interesting to read so the worm medicine 5 in the stools．＂That＂

Fashions．
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## HE音

军THE FARMER＇S ADVOCATE

## 310．Girl＇s Dress

 Cut in 4 sizes： 6, ， 12 －year size will require $33 / 4$ yards of 24 ． ach material．Price， 15 cents．3134．Ladies＇Dress．
Cut in 6 sized： $34,36,40,42$ and 44 inches bust measure．It will require $11 / 8$ yards The width of skirt at lower edge is about $17 / 8$ yard．Price
Cut in 3 sizes： 12,14 and 16 years．$A$ i4－year size will orequire dress with tunic and $43 / 4$ yards without tunic．Price， 1
2750．Ladies＇Cover－All Apron． 36－38；large， $40-42$, and extra large ill require $41 / 2$ yards of 36 －inch material． Price， 15 cents．
Cut in 4 sizes： $4,6,8$ and 10 years An 8 －year size will require $33 / 4$ yards o 30 －inch material．Price， 15 cen
Waist 3302 cut in 6 sizes： $34,36,38$ 40,42 and 44 inches bust measure．Skir 288 cut in 7 sizes： $22,24,20,28$ ，medium size will require $71 / 2$ yards of 27 －inch material．The width of skirt at lowe edge is about $11 / 2$ yard．TWO separate
3308．Girl＇s Blouse Suit． 14 years． Cut in 4 sizes： $8,10,12$ and 14 year size will require $47 / 8$ yards o

3133．Ladies＇House Dress
Cut in 7 sizes： $34,36,38,40,42,44$ size will require $53 / 4$ yards of 36 －inch naterial．The width of the dress at its

## Hope＇s Quiet

 Hour．The Shining of His Face． It is God，that said，Light shal shine
out of darkness，who shined in our hearts， of give the illumination of the knowldgg
\＆the glory of God in the face of Jesus hrist．－2 Cor．4，6．（R．V．margin）． s there a hope thou cans＇t point today， Seeking for light in the cold and gloom
 Of His love as wide
As enternity＇s boundless and soundless

When the Rev．G．A．Studdert Kennedy liad been in rance about wo month wounded off cer in a base hospital hew battalion II want tras know what the Colonel is like．He bosses
the show and it makes a lot of difference to them what sort he is．Now I realise
that I am in the battalion of humanity of the world is like．That is your real
$\qquad$ Mr．Kennedy does his best to answer
hat question which，as he says，is ther in the hearto of the army and of the nation Christ on the Cross，as the sainted to Maser to the offcer＇s appeali，but it
id not satisfy his questioner．
He（the When he woul of reverent admiration endurance of fesuss；but he said that God could not be nailed to a cross ant
teipless，because Cod is the Almight Ruler of the universe．So the people who watched Christ die were puzzled
ind doultrul．They know that He wa beautifil in spirita and in outward liafer
If He wrote the Son Sof God why did the If He were the Son of God，why did the
Father allow Him to suffer and die？ sked－a．ked tremblingly or scoffingly during thise years of suffering．Those who prayed were maimed or killed beside men
who onenly scoffed at Christianity who onenly scofted at Christianity
$\qquad$
hearts from the piercing sword of terribe
news from overseas．＂What is God like？＂ was the question asked by St．Philip．
He declared that if he could only see the Father he would be satisfied．There was gentle reproach in our Lord＇s reply；
Have I been so long time with you，and yet hast thou not known me，Philip？ he that hath seen me hath seen the More than two thousand years ago
the prophet Haggai encouraged the people to be strong and fearless．He did peace，but rather the contrary．God heavens，and the earth，and the sea， and the dry land．This great shaking Lord＇s messenger undauntedly＇faced the coming storm．The Lord＇s message to
His people was：＂I am with you．fear ye not，
come．
Outward things have changed marvel lousty since the Bible was written．
Man has harnessed the mighty powers nature：and the lightning and wind，and human spirit still reaches outs．But the and refuses to be satisfied with any earthly good．Those who find them－ selves in darkness ask the vital question has said：Light shall shine out of dark ness，who shined in our hearts，to give glory of God in the face of Jesus Christ Jesus is the Desire of all nations the Jlawless mirror in which we behold the glory of the Lord．Our ambition should be to grow more and more like Him， because no one can even imagine a higher ideal that He has set before us．St
Paul told the Corinthian Christions the if they kept their eyes on Christ they if they kept their eyes on Christ they
should be＂transformed into the same image from glory to glory．＂
In Jesus we see what God is like and In Jesus we see what God is like and
what man should be like．He is the what man should be like．He is the glory of man＇s heritage
earthly pomp and grandeur（like that earthy pormp and grandeur（like that o
the＂War－Lord＂who desired to climb regardless of the rights of the weak were only gilt tinsel．If the Kaiser had succeeded in his attempt to rule over the
nations，the success would have been unsatisfying and worthless．＂The Hardest Part：＂）＂A ＂All men are learning to worship bloody，hero of the trenches is showing u being cleared away．The darkness are growing proud of the Cross．Besid the wounded，tattered soldier who totter down to this dressing station with one arm hanging loose，an earthly king
all his glory looks paltry and absorbed． I only see God in Christ and these men That chaplain was writing in the midst to point War．He went to the frort to point men to the glory of God，as it
shines in the face of Jesus Christ．And he saw that glory reflected in the men turned their backs on safety and comfort． They were suffering and dying to save the world from injustice and cruelty Bending over those battered bodies he Cross．Seeing the glory of their patient courage，he felt that love was far grander
than power．The glory of the Most High is not that He holds the stars and the that He is the Comrade of the weak and suffering．God is not far off，in the but as close as possible to each child rrucified still draws hearts after Him ＂Only in Him can I find Home to hide me， Only with Him my Comrade－God beside Can I go forth to war with sin and pain．＂ An infidel lecturer once asked his
audience if they wished to ask him any questions．A poor old widow got up and lecture and，as he had told her nothing of any value，she felt she had been cheated
All through the hard struggle to make All through the hard struggle to make
both ends meet，and bring up her children， she had gained strength and courage

The Finest and Purest．Tea Sold

## ＂SALADA＂

There is genuine and unmistakeable pleasure in its daily use．
Black－Green ）Try a packet from your grocer， or Mixed but be sure it＇s＂Salada＂

ввı


## This）Machinewill doall YourWashing <br> Women in the city ae well as in the rural dif ricts find it im ossible to get

 quickly，smoothly，without the slightesc injury to the clothes，and do it better and faster．The mechanism is simple；the wringer swings to our positions．The tub is extra large．Made of vhite cedar，eliminating the obs moving a lever． lining．Corer is steam tight．Mechanism started or stopped by belt from engine． The Liberty Washer may be operated by electric motor or by belt from engine．It will not only wash heavy goods，but will wash laces，lingerie and delicate Electric Washer， 3125 manks without injury，It seems as if wo－ Washer to come and save them from the nbearable burdens of wash day．Here it is，ready for service．No one can any longer claim that the washing machine is not effec－
tive．Just think，all the washing in the steam laundries is done by machines．
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alder and descriptive literature．Write for full particulars，or send the price and we will ship one immediately on approval．Satisfaction guaranteed

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Vnen writing please mertion Advocate

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## 


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any right to try and destroy her faith, unless he could give her something better in exchange.
supply to a soul in trouble the peace which passeth understanding? Christ can do this -1 myself have seen many faces shining with the light which He supplies in thict in tribulation, who frankly deople joyful Christ gives them joy -but I have that to find a person without faith in Get who meets pain with a shining face. words of Lewis Carroll. ,
"I could not see, for blinding tears, A heavenly music filled my
A heavenly peace my breast.
Come unto Me , Come unto Me -
And I will give youry to me
Those words of wonderful promis rom any other lips than those of Jesu He says them, and they are like a pear Several years
several years ago an educated Ma
hommedan-who knew the Koran hommedan-who knew the Koran, but Christianity. Someone gave him a Bible and he began to read it. It made very ittle impression on him until he got to the Gospels. As he read of the matchless with fit, his heart was won. Like Sail of Tarsus he began to preach the fait he had tried to destroy.
our best answer to those who questio by St Philip of Christ is the one given se," The pot of mend come and unbelief is indifference. The visible things-which will soon pass awaytake up all the time people can spare ness the invisible realities-love, righteousgotten.
"If we would build anew, and build to We must find God again, and go His way

Dora Farncomb.
The Ingle Nook
Rules for correspondence in this and other
Departments: (1) Kindly write on one side of paper only. (2) Always send name and addrees
with communications. If pen name is also give the real name will not be pubisished. (3) Whee
enclosing a letter to be forwarded to anyone, plact enclasing a etter to
it in atamped envelore ready to be sent on
(4) Allow one month in this department fo (4) Allow one month in this
answers to questions to appear.

Re Women's Exchange
find that I was misinformed in regard to the closing of the Womens ment was changed, but the Exchange still exists at 116 Dundas St.

## Seasonable Cookery

Grape and Apple Dessert.-One cup grape juice $1 / 2$ cup-sugar, 4 apples,
slices stale cake or toast.
Boil the grape juice and sugar for 5 minutes, pare, core and slice the apples and cook in grape juice until tender. Pour over the cake or toast, and whencelen with $1 / 2$ cup water and put through a ricer may be used in place of the juice. Grape and Apple Jelly.-Take $1 / 2$ peck grapes, 3 tart apples, sugar. Pick the grapes off, stew and mash them, and put in a kettle wise the apples, wut not pared or cored. Heat to boiling point, mash, and boil 30 minutes. Strain through a jelly bag. Measure the eil and
return to kettle, let come to boil and boil 5 minutes. Add an equal amount skim and pour into glasses
Sweet Pickled Watermelon Rind.-Rind of $1 / 2$ melon, 3 lbs . brown sugar, 1 quart vinegar, $1 \frac{1}{2}$ tablespoons cinnam un, 1 tablespoon cloves, 1 tablespoon alspiaes, Pare the melon rind, cut in inch-squa and vinegar in a granite preserving kettle, add the spices tied in a bag, and boil 1 hour. Add the melon rind and cook slowly for about 1 hour, or until tender. Put the melon rind into a stone crock ord for 15 minutes and pour over.

Founded 1866
September 30, 1920
and destroy her faith,
ive her something bettor infidels in the world trouble the peace wrich
ading? Crist can do this Iding? Christ can do this, ich He supplies in thing ve. seen people joyful
ho frankly declare tat no jrankly declare that $n$ joy,-but I have yet
without faith in God with a shining facc.
, hearts able to echo the hearts
larroll:
e, for blinding tears the west:
c filled my mon beast.
Come unto Mecome to me,'
ce you rest'.'
of wonderful promise ps thiserable nocker those of Jesuas dhey are like a pear ago an educated Ma
knew the Koram knew the Koran, bu
arted out to challena meone gave him a Bibl
read it read it. It made very
on him until he got to he read of the matchless
compared compared his own life
was won. Like Saul was won. Like Saut
an to preach the fait
er to those who question thrist is the one given
is friend: "Come and If much of the modern flerence. The visibl
11 soon pass awaytime people can spare;
alities-love, righteous-

Id anew, and build t again, and go His way. gle Nook ndence in this and othen

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## n's Exchange

was misinformed in sing of the Women's but the Exchange still
das St le Cookery le Dessert.-One cup
p. sugar, 4 apples, 4 p. sugar, 4 apples, ${ }^{4}$ en
or toast. Boil the ugar for 5 minutes;
ithe apples
ind il tender. Pour over
ind
and and when cool serve 2 cups of grapes cooked r place of the juice. Jelly. Take $1 / 2$ peck Ind sugar. Pick the
mash them, and
ith mate ith the apples, which
ly
chopped but not Ieat to boiling point, Measure the juice, dd an equal amount and boil
alasses. glasses.
gitermelon Rind.-Rind brown sugar, 1 quart espoons cilnam ma,,
1 tablespoon allspice. i , cut in inch-squares, Put the sugar and
preserving kettle, add bag, and boil 1 hour. 1 and cook slowly for stone crock or into
the syrup hard for 15 ver.
Two cups cooked and

## Let the Homes of Canada Reflect the Nation's Prosperity

C
ANADIANS have every reason to feel optimistic and courageous to day, to live happily and to enjoy the refinements and comforts of a progressive and prosperous nation.

As a Toronto "Globe" editorial so truly stated:-
"In the topsy-turvey world of to-day, few nations have a better outlook than Canada, the well-beinsof which is based firmly upon the fertility of her boundless fields.

## Improvement of Homes

One of the most impressive evidences of the progressive and prosperous condition of the Canadian nation is the great interest that is developing in the beautifying and improving of our homes. More care and more thought are being given to the furnishings. Greater consideration is shown for beauty and harmony. An atmosphere of cheerfulhess, brightness and attractiveness is carried throughout the home.

## The Influence of Furniture

It is really surprising how readily an ordinary, minteresting house can be transformed into a real home, in which it is a pleasure to live, by the magic of beautiful, yet not necessarily expensive, furniture.

Nothing that you can buy will give you and your family so many years of happiness, comfort and solid sâtisfaction as beautiful furniture.

Beautiful furniture brings an atmosphere of cheerfulness and brightness into every room. It delights the eye. It gives comfort and rest to he body. It brings contentment to the mind and has a refining influence on character. It gladdens the heart. It is the pride of the owner

## The Designs of To-Day

During the last decade there has been a wonderful improvement in the appearan urniture.
Modern furniture designers have received their inspirations from the "Period Designs" of the old masters, but have not copied their work, the old masters, but have not copied were either too frail or too cumbersome for utility.

While the average family might not care to furnish their homes with the original work of the old masters, the modern adaptations of them, as produced by Canadian furniture craftsmen, ideally meet the present-day demands for furniture that combines beauty with comfort and utility.

## Moderately Priced Suites

This beautiful, modern, well-made Canadian furniture is obtainable in moderately priced sets and individual pieces, as well as in the more elaborate and expensive suites.

The individual earnings of Canadians are greater than those of almost any other race The new era commencing with the close of the war is proving to be the most progressive and Conadians in the history of the Domten up their homes with better furniture.

## $t$ is inserted by

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NOTE-The Home Furnishings Bureau does not sell furniture or goods of any kind. Its object is to promote a greater interest in the furnishing of Canadian homes. Your iocal dealer wormation you degre aboure for your home.


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## The DE LAVAL MIILKER

## The Milker Pail

The De Laval Milker pail embodics several important and distinctive features, making it unusually substantial and serviceable, as well as easy to keep clean.

The pail is made of sanitary white metal, with nickel-plated brass fittings. It is of sanitary design with no crevices or sharp corners where bacteria might congregate, and is heavily reinforced and protected where the wear comes-made to give long and satisfactory service as other De Laval products.
The De Laval Milker is positive and uniform in action from day to day, and it is faster, more reliable and more sanitary than any other method of milking. Wherever cows are milked the world over, the name "De Laval" stands for quality and highest value to the user.

## Write to nearest De Laval office for Milker <br> Catalogue, mentioning number of cows milked

THE DE LAVAL COMPANY, Ltd. montreal petreboro winnpeg edmonton vancouver
mashed squash, $1 / 2$ cup sugar, $2 / 3$ teaspoon $1 / 2$ teaspoon lemon extract. Mix in order 1/2 teaspoon lemon extract. Mxith oraer given. Line patty pans, with paste,
fill with squash, and bake in a hot oven about 25 minutes.
${ }^{2}{ }_{\text {mumpkin }}$ Pie.- One and one-half cups baked pumpkin, 1 beaten egg, $2 / 6$ cup brown sugar, $1 / 2$ teaspoon salt, $1 / 2 /$ teaspoon ginger, 1 teaspoon cinnamon, $1 / 2$ teaspoon corn starch, $11 / 2$ cups milk. cut the pumpkin in pieces and bake $11 / 3$ cups add
mash and strain, and to $11 / 2$ the other ingredients in the order given. minutes. For the first 10 minutes the oven should be hot, then the heat should be reduced.

## Baking Quality of the Lower Grades of

 Flour.(Experimental Farms Note.) With the ever increasing cost of living it has becomenecessary to ford correspond-
ing means of saving. The housewife is ing means of saving. The housewife is
the person on whom most of the responsibility of economizizing rests. The use of some of the cheaper grades of four instead of the highly expensive
first patent is another means of saving that may be added to the already long list. During the war, all members of the community were forced to use government standard flour which was of a lower grade than most people had been ac customeof to. Nevertheless, most the bakers succeeded in furnishing bread
so good that few people would have con so good thatistinctly inferior had hit on-
sidered it been for the difference in color. Too much attention has, however, always been paid to color in flour and bread. Bread
that is really very pale is not so healthful that is really very pale is not so healthful as bread made of somewhat lower grade
of flour and the war-time bread was of flour and the war-time bread was
really superior as a food to the extremely really superior as a food to the extremely
white product in use previously. Lower grades of flour somewhat similar to the government standard flour can always be purchased but are not usually in much demand on account of their inferior
color. These second and third grade flours, however, contain a higher percentage of protein and assimilable phosphates. These features are distinctly
advantageous advantageous.
require some slight modifications in the baking method in order to produce the best possible bread, these changes are not serious and, as a rule, no diffculty whatever will be experienced in handling such flours. When we consider the lower price of the cheaper grades of flour and their high nutritive value, we see tw
distinct advantages in using them. The distinct advantages in using them. The
claims made for the whitest flours are Claims made for the whitest flours are
nearly always much exaggerated an are sometimes quite absurd, and the public would do well to insist on obtaining the really superior materials which are sold as inferio
P. Russell Cowan, Cerealist.


Crash Cushion Cover Embroidered with Silk or Wool. Anyone can copy a cushion pattern such as this
or invent a design for herself. Holland linen
blue denimm or any other strong washable ma blue denim or any other strong washable ma
terial is suitable.

The League of Nations setled its firs and Littuanaia, warting nat tions aotrend o suspend hostities pending inguiry Ignace Paderewski spoke for Poland The delegates shook hands amidst the cheers
present.


trations from actual photorraphs of

beautiful furs, ahowing the fours as of they really appear. It is full of real bargaing from cover to cover, showing the latest
models in fashionable Fur coets and sets every garment fully guaraniteed, sets the prices are the same to everybody-
everywhere in Canada. Send for copy to-day. We will gladly maril lot to you free of charge.
 inches long and 9 inches wide sout slitiod head and tali. M1349. Price, dellivered to you. . . 628.75 Muft to match, measuringo about 13 circumference, trimmed with heads tails and paws, lined with velvet and softs M350. Price, delivered to 7ou....328 गs The above scar or mif with bo jromply
mailed to you on receipt of momid.
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Cuticura Is All You Need For Your Skin Bathe with Cuticura Soap to deanse and purify the pores. If signs of pimples, grently with Cuticura Ointment before bathing to soothe and heal. For every puip west of the toilet," bath and nursery Cuticura Soap and Ointment are ideal.


## " Remember!"

 THE HOAG OIL ENGINEwill save two-thirds of the running
cost of all other types of engines. THE HOAG OIL ENGINE CO., LTD. Brantford, Ont
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Just to-day we received a letter from a farmer in British Columbia, in which he said: "I saw your advertisement of SVDNEV BASIC SLAG, and it reminded me of home in the Old Country; when we used to go over all our pasture fields with a light coat every year. But we cannot get it out here in B. C."

Another farmer in Ontario writes, saying: "I got one ton for trial last Fall, and this season have taken orders from my neighbors for 125 tons.'

Most of our largest buyers in this country started with a trial lot of one or two tons. After seeing results they were satisfied they could ill-afford to do without it.
TOP DRESS YOUR PASTURES THIS FALL WITH

## SYDNEY BASIC SLAG

If you hesitate to do this on any extensive scale till you have seen results to satisfy, then why not let us send you a trial lot? You should write us at once, as it takes time to deliver goods to Ontario, and we want you to have it in season. May we send you some very interesting literature?

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A Savings Bank Account with this Bank assures ready money when needed. Interest naid at current rate.

## IMPERIAL BANK

180 Branches in Dominion of Canada.
fabric that had s
aside as hopeless.
"Os
"Of, course you're going to Mrs, Dixon's," declared Susan, when she dis'Covered'Linda weepping pver Mrs. Dixo
note. "It was nice of her to ask you to note. "It was nice of her to ask you to
play Rose's accompaniments, and nice of play Rose's accompanimen, too, to ask you to sing."
her
"r'll look fine," sobbed Linda, "singing
in $\underset{\text { in a co }}{\text { skirt! }}$
"It's heavenly," she added, in a fresh burst of grief, "to be cut in two in the middle, with the rest of the world in one-
piece gowns!"
"Well," mused Susan, "what is there in this house big enough for a long, one-
piece gown?
Fortunately, skirts aren't piece gown fortyn
'If it wasn't Mrs. Dixon "Oh, we all know about Mrs. Dixon. I quite adore her myself. What I can't understand about your dealings with her is this: Why can . Why can't you let her see you as you actually are-a poverty-stricken Rossiter, with no clothes worth mentioning, no funds for the concerts and thing that Mrs. Dixon is always thoughtlessly advising you to attend? That's the dear
lady's ne fault She doesn't realize that lady's one fault. She doesn't realize that you're poor. And you-" Linda. "I want to appear at my very best for her always. If she knew that my stockings were a mass of darns, that I was wearing gloves that her cook would
be ashamed to own, she couldn't help be ashamed to own, she couldnt help
despisising me." Minon would be more likely to despise you, not for beeng poor, but fo not being quite honest," said Susan.
After three days of rummaging, wash After three days of rummaging, wash-
ing, pressing, contriving, Susan hooked ing, pressing, contriving, Susan hooked
herself into the gown that she had made for Linda, whose measurements were the same as her own, and appeared in the same as her own, and appeared band-
living-room in what looked like a
new dress It was ecru net, over figured new dress. It was écru net, over figured
silik, and although simply made, it possessed to a surprising degree the quality of style. s"What do you think of Linda's gown?" asked Susan, turning slowly about, while asked assembled family admired. the "Susan!" cried Linda, accusingly.
spent your own shoe-money!" this scrump tious gown was ten cents for a spool of sewing-silk
mother's wedding-dress, or the old diningroom curtains, or Aunt Mary's crape "Those went long ago. No, it's. only the furbelowed top of the parasol tha
came with the family baby-carriage--" came we used that parasol only a short time, said Mrs. Rloys too big and clumsy."
"And the rest," continued Susan, "is
fire-screen. You remember that tall screen fire-screen. You remember that tall screen
with the terribly gaudy, Persian-patwith the Yerribly gaudy, Persian-pat-
terned silk, gathered on fulli?" -before it was black with age. And that screen-why, Susan! The pattern wasn't
possible for clothes; it was positively pictorial. Parrots, palm-trees-" gloriously. There's just a ghost of a pattern left, a soft tapestry effect that is
lovely under this acr net lovely under this écru net. You see,
dipped the net in coffee-I've read hundreds of receipts for dipping things in
coffee but this is the first coffee, but this is the first time I've tried
it." At the concert, not one of Mrs. Dixon's
guests was more becomingly attired than Linda.
The rules of the musical club forbade refreshments. Notwithstanding this fact, before, the evening was halt-over Mrs.
Dixon's drawing-room was Dixons drawing-room was faintly but
unmistakably pervaded with the very good coffee. As the room grew
warmer, the oder became more and more warmer, the odor becam gusts were quite
pronounced. Son the gues visibly sniffing the coffee-scented air.
"Why," murmured the young wo who sat, next to Linda, "is it possible that Mrs. Dixon is going to break the rules and serve coffee? For my part, I hope
she is -awfully foolish rule! Presenty a plump matron, who had breathlessly "rendered" a song, subsided into the vacant chair at Linda's left. In
a few moments she, too, was sniffing "Coffee!" said she. "I'm sure I smell coffee. Surely Mrs. Dixon-"
Then Linda knew. Her coffe-dipped

## The Royal Bank of Canada <br> 

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We pay interest on savings accounts, cash your cheques, take care collections when due.
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the bank of NOVA SCOTIA


laden odor, not displeasing in itself, but Susan, in the sam
have laughed light-heartedly, and said, 'Why, it's just my coffee-dipped gown!" But Linda writhed in torture. Mrs. Dixon had said, "How very nice you look, my dear!" Several of the girls, too, had exclaimed over the softly-tinted gown, and that she looked her very best. Now it was all spoiled. Some sharp-nosed person would surely discover the true source of
that smell, and all the world would laugh

## Royal Bank Canada <br> © our Victory Bands by Safety Deposit Boxi <br> the coupons every ths in a Savings ths in a Savings and earn interest = bond interest at <br> early <br> done regularly with year bond, you will more Interesest than <br> RESERVES S33,00,0.000 25 ваммсне

irmers' ccounts
bank began its in 1832 when fural country, ring the eveintyears of its ife il attention to the
of
ts.
pay interest on accounts, cash notes and make ons when due. hess conducted


BANK OF A SCOTIA


$\frac{8}{6}$ pleasing in itself, b same situation, would
ght-heartedly, and said, coffee-dipped gown!
hed in torture. Mrs. $l$ of the girls, too, had he softly-tinted gown, and her very best. Now it
Some sharp-nosed person cover the true source of
11 the world would laugh


## Farm for Sale

 On Vancouver Island, Eritish Colum-bia. Near to thriving village. Has comfortable four-roomed cottage Reasonable terms. Apply with referW. CUMMINS
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Farm Bargains 33
States. Just out.

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oats, 10 bu. wheat, 2 bu . beans: machineworked fields, spring-watered pasture, 300 apple trees, also pears, plums; large
quantities wood and pulp. wood; 10-room house, big barn, other buildings; owner made money, retiring, for quick sale makes
price for all $\$ 5,000$ only one-half cash, in Ontario. Details this and other farms States, page 94 Strout's Big New Illustrated Catalog Farm Bargains. Just out, 306 S Manning Chambers, Toronto, Ó,
her to scorn. Mrs. Dixon would despise here, And she could not escape; she was
practically a prisoner, for her song was tend that I' m iill, and ask to be excused trom singings. But if 1 go close enough to
Mrs. Dixon to say all that, sheill surely But Mrs. Dixon had already noticed
 she returned, Linda heard her say:-
 corfe!! And there isn't any anywhere fession was Lut Lhe did's opportunity not dar conHow she managed to sing that night she
never bnew never knew,' But somehow, assisted by
Rose Divon's frm touch on the piano


Mr. Henry Beamish, of Norval, Ont., is a great believer in a BT Water Bowl Outfit.

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Put a Water Bowl system in your atable this year. It pays for itself in 60 days and earns money for you all the rest of your life.
Send in the coupon for full details.

keys, her voice sounded quite natural,
and she got through with no mistakes. The applause that followed was to much for her nerves, and she burst into tears and hurried from the room. Mrs Dixon followed her into the hall. crying! Come, I'll take you up-stairs There, there, it's just nerves, you know. dear, I'm so sopry you had to sit in suspense all this long evening. If Ir
only known, you shouldn't have had that long, trying wait for your turn again! It's most mysterious," sobbed Linda. "It's-it's my dress." Then she poured forth the entire story kindness and ingenuity, her own desire to
stand well in Mrs. Dixon's opinion. stand well in Mrs. Dixon's opinion.
hostess, "why didn't you speak right out
in meeting? And I wish I'd known sooner that you had a sister with a real gift for clothes! My dear, do you think Rose, for money? It's a perfect shame for a girl with a talent like that to waste it all on a few small sisters. I'd love to give her a start-there's money in de-
 gown is a thing to be proud of, even if it
is a bit strong of coffee. Hang it outdoors for half a day
."Susan was right," thought Linda, as she walked home. "It's wiser not to
pretend. The people that like you, like you anyway, even if you are coffee-dipped and patched and made over and just plain
poor. And it's a lot easier to be just what you are, even if you aren't very
mucl."-Youthi,' Companion.

Divided by the Red Sea. Immediately following the close of the roung man living in Youngstown, Ohio and destined to become notable as a stee magnate, left home to go Soutn ben a Uisit to his brother, wha had been a Union soldier and who, after the co the mountains, in a remote section of East Tennessee.
Part of the journey, as the Saturday
Evening Post tells the story, was made upon horseback. One night the traveller secured accommodations at the only
dwelling in sight-the log cabin of an old negro. Butlen bedtime came," said Mr in the family prayers So I knelt down with the members of his household upo

## AUCTION SALE OF <br> 50 <br> Females <br> Scotch Shorthorns

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Females

Property of J. J. Merner, M.P., of Seaforth, to be held on

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let this Vacuum Washer do the Work

 This Vocrum Wabler is Woman's Greatert Friend


 good for a short time only. AGENTS WANTED
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LEARN TO SAVE WHILE YOU ARE YOUNG

his eyes and threw his head back and opened his mouth and began.
"He began with Genesis and gradually downward. When worked graduall for twenty minutes without a pause, and my knees were hurting me like the toothache, I got desparate. I nudged the person nearest to me- a on a chair seat and was peacefully dozing "through the ordeal. What is it, Boss?" whispered the pickaninny, waking with a start. last?' I whispered back. prayer goin "' 'Has Daddy done tuck de Chillen of Israel 'crost de Red me under his breath.
'Not yet,' I said.
he's jest half done

## Questions and Answers.

 department free.
2nd-Questions should be clearly stated and
plainly writnen plainly written on one side of the pater and
and must be accompanied by the fuli name and
addres 3rd-In veterinary questions, the symptoms
especially must be fully and clearly stated, otherespecially must be fully and clearly stated, other-
wise satisfactory replice cannot be given wise satisfactory replics cannot be given.
4th-When a reply by mail is required to urgent
veterinary or legal enquiries, $\$ 1.00$ must be veterinary
enclosed.

## Miscellaneous.

Lumps on Teats I have a heifer that is milking fairly well but is in poor condition. There are
small lumps in one or two of her teats, although they do not hurt her when she is milked. One quarter has given bloody milk occasionally. Could this be a stage
of tuberculosis? Should we dry her up? Ans.-Sometimes these lumps form without any appreciable cause, and again advisable to have your veterinarian tes the cow, and if she reacts we would be located in the udder, and, therefore, would not care to use the milk either for human giving of bloody milk is sometimes due vessels. Bathing with cold water blood and frequently, sometimes effects a cure milk on frequent occasions had better be
mite disposed of.

## Sale Dates.

Oct. 7.-Curry-Bowes \& Bowes, Mark dale, Ont.; Scotch Shorthorns. Oct. 7, 20.-E. Templeman, R. R. 1
Staffa, Ont.; Shorthorns. Oct. 12, 1920--J. J. Merner, M. Scotch Shorthorns; (sate at Clint Ont.; Herefords Association, Western Fair Aberdeen-Angus don, Ont.; Jas. Bowman, Guelph, Sec'y
October 20, 1920.-B. R. Barr, R. R October 20, 1920--B. R. Barr, R. R. I
Mossley, Ont.; Holsteins, Horses, etc. Mossley, Ont.; Holsteins, Horses, etc.
Nov. 9,1920 Western Ont. Consignment Sale Co., London, Ont.; Shorthorns November 10, 1920.-Elgin Shorthorns
Breeders' Sale, St. Thomas Ont Dec. 15, 1920.-Oxford Holstein Breed-

Extensive Clearing Auction Sale of 32 Head of Sootch and

## Shorthorns

Horses, Sheep and Hogs
William Nairn, auctioneer, has ceived instructions to sell by public Lot 9, Con. 8, Township of Hibber $1 / 2$ miles east of Staffa, and 0
miles south of Dublin Station
Thursday, Oct. 7th, 1920

## Commencing at one o'clock sharp, the

 following:CATTLE-"Jealous Lad,", (134634), born March 10 th, 1919 ; his dam is to good cow " "essica," 1 Ith, (imp)
(131029): (131029); sire, "Ringleader." 10 cows with heifer calves by their side and bred again to "Jealous Lad" and calves by their side and also bred again to above sire. 4 heifers rising two years: old bred to the same sire. "Total Eclipse," (138360); male, red; born Sent. 28th, 1919 ; dam, "Fanny R.," (125177); tracing to "Fanny," (imp.). These cattic are in good conction, traciog to souk of these cattle are good dual-purpose, the cows being good milkers. Also horses, sheep and hogs. Positively no reserve as every animal offered in the ring will be sold without reserve to the highest bidder, as the proprietor having no help is going out of the pure-bred business. Terms ing months credit will be given on furnish4 per cent straight off for cash in lieu of W. E. NAIRN, E. TEMPLEMAN,

Auctioneer
Proprietor

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## GOMBAULTS CAUSTIC BALSAM

 The Perfect Liniment For External Uso onThe Human Body It is astonishing how quickly

Caustic Balsam relieves Stiffness Caustic Balsam relieves Stiffness
and Lameness, Rheumatism, Neuralgia, Strains, Sprains, Lumbago Backache, Sore Throat, Chest Cold Stiff Joints, etc.
Serious results through Blood Poisoning are liable from scratches,
duts or wounds from rusty nails or other metal. This great rempreventive, is a perfect antiseptic, soothes while it heals. What it has done for pthers it will do for you.
 THE LAWRENCE-WILLIAMS CO. TORONTO, ONT.


The four essential points are here
Strength and Looks - Price and Wear
Aberdeen - Angus

Shropshire and Southdown Sheep
$\qquad$ Larkin Farms - Queenston, Ont.

## ALLOWAY LODGE

 STOCK FARM Angus--Southdowns---Collies Sunny Acres Aberdeen-Angus

Official Holstein Records for July and August, 1920 Bele Model Pontiac, 32345, 5 yrs.
6757 Ibs milk and 30.14 lbs
 in 30 days; owner, A. C. Hardy, Brock-
ville. Helena Pontiac. 31035 ,
yris ville. Helena Pontiac, 31035,6 yrs.
590.1 lbs. milk and 27.37 lbs . fat in 7 in days; 2,388.9 lbs. milk and 105.26 lbs Bloomfeld. May Echo Lyons Posch,
32220 , bss. fat in 7 days; $3,1399.2$ lbs. mike and 96.92 lbs. fat in 30 days; owner, A. C Hardy, Brockville. Maud Grant D 22,43 lbs. fat in 7 , days; $2,331.1$ lbs. milk and 77.98 ibs. fat in 30 days; owner, John
Lumsden, Ottawa. Ida Abbekerk Maud 29325, 6 yrs, 516.4 libs., milk and 1721 bse fat in 7 days; owner, Soldiers' Civil
Re Ke-Estabishment, Guelph.
Burke Keves 2nd 44068 Helena
y milk and 22.91 lbs. fat in 7 days; $1,882.3$ los. mik and 88.20 tibs. rat in 30 days,
owner Mercedes, 39984 . 4 ter. 1900 De Kol and 18.42 lbs. fat in 7 days: $2,181.4 \mathrm{l}$ be milk and 73.35 lbs . fat in 30 days; owner Joseph Kilgour, Eqlinton. Colony Beets
Nee Newman, 38776, 4 yrs., 468.5 lbs . milk and 17.55 liss fat in 7 days; $3,871.1$ lbs
milk and 127.73 lbs. fat in 60 days owner, Colony Farm, Essondale, B.
Bessie Mercena Kornd Bessie Mercena Korndyke, 46518, 4 yrs 627.4 lbs. milk and 19.01 lbs. fat in 7 day
owner
 milk and 19.67 libs. fat in 7 days $2,237.5$ liss. milk and 78,62 lbs. fat in 30 days;
owner I B. Hammer Norwich Colony Wayne McKinley, 50289,3 yrs., 429.9 Ibs milk and 15.20 libs. fat in 7 days;
$1,788.5 \mathrm{lbs}$. mik and 56.14 lbs fat in 30 days, owner, Colony Farm. Colon Beulah McKinley, 52833 ,
lbs. milk and 14.06 , 1 10s. mi.5 lbs milk and 53.84 lbs 7 days days; owner, Colony Farm, Lady Waldorf Sylvia, 52277, 2 yrt.s. $16,934.6$ llbs. milk
and 59746 lbs fat in 2421 . A. C. Hardy. Raymondale Rhoda Korn 16.44 lbs. fat in 7 days. 1865 . milk and and 68.08 lbs. fat ing 30 days 9 ins. milk Raymond, Vaudreuil, Que. Starlight De and 11.40 lbs. fat in $\eta$ thays. Melvin O. Tindall, Brooklin. Bell De and 10.50 Ibs. fat in 7 days; owner, J. L.
and Hennessy, Codrington
Semi-Official Holstein Records for
 McLennan, Millbank, Calamity Snow
Mechthilde 2nd, 26707, 6 yrs., 23,212 lss.

 Farm Director, Dept. of Provincia
Secretary, Toronto. Ruth De Kol 17194 8 yrs., 23,862 lbs. milk and 707 lbs fat
C. P. R. Demonstration Farm, Strath-
 46321 , Shaw, Newmarket. Bella Pontiac lis. fat Ythos. A. Barron, Brantford
 Kersty of Alberta Edmonton, Alta
Korndyke Segis Pontiac of Hickory fat; Hospital , for Ins. minalke, Hand 502 lbs. Ss. milk and 429 lbs, fat; Henry E

## "Premier Leader" STEEL RANGES



BROOKDALE HEREFORD FARM
Tolephone.
W. READHEAD, Milton, Ontario

 and females of showow indivivd dality ROBERT DUFF \& SON, Myrte, Ont
Roan Bull-Calved April 23rd, 1919

Plaster Hill 'Herd Shorthorns CANADA's OLDEEST dUALDPRPPOSE HERD
 irom R.O.P. cows. Thbercuar free herd. 20 Bulls-SPRUCE LAWN-100 Females - Clydegales, Shorthorns, Yorkbiree Hod
 J.L. and T. W. McCAMUS, Cavan, C.P.R.; Millbrook, G.T.R. and P.O., ont Newcastle Herd of Shorthorns and Tamworths for Sale - Thre nice bullig. 11 to 13 momit



 MILLER, Ǩeene P.O., ont. Stations-Keene G.T.R.Indian River C.P.R. Peterboronef Comity

WELLAND RIVER SHORTHORN OFFERING
a hare have at present ony wow soung buls in the stable, but would price within the next teen Thit
 W. H. CROWTHER Rosebud, Balle chin Diaiy, etci so haad to seare fromean Beauk, SPRUCE GLEN SHORTHORNS
 Undalk, ontario Irvinedale Scotch Shorthorn Heifers - For the preaent wi. are all sold out of bultiof



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 R. M. MTTCHELL, R.R. No. 1. Freeman. ont bum



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anges have a body ivel, protected by
iveted with cone iron tops, centre reservoir can-be tach to either left or treel Persian close xtra convenience. ally moderately-price
zhly reliable quality.
ridson Hfy' Collimine
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## 0

FARM
come and met any tme.
DHEAD, Milton, 0 atario several mares that have binid
Toronto. Guelph, London and 3rd, 1919
 ST DUNL-PURPOSE HERD English breeding, Commodort
2112
R. Rb. Seven young buit
R. Caledona, oat. Northorn, Yorkshires, Hetion by L. De Rothchind Spout
fer calves. Yorkshires either Iree nice bulls, 11 to to 13 montio
 -, R.R. No. 2, Newcantle.
imported-in-dam Miss Ramder

 FFERING
 lect from. Fonthill, ontario ORNS
entand dundalk, ontario
 Natt \& Son, Elora, Ont. ropshires we minu

 SROS., Drumbo, ont
imported bulls, one yearinged
and our thre-y yearold herd



THIRTY-SEVENTH ANNUAL ONTARIO PROVINCIAL

## Winter Fair GUELPH

Dec. 3-9, 1920
$\$ 30,000$ in prizes for Horses, Cattle, Sheep Swine, Seeds, Poultry Judging Compefition Pize lists and entry forms may b prestient John Gardhouse, Weston secretary
J. E. RETMIE,

Parliament Buildings TORONTO, O

## HEAVES CURED <br> 

 SUNNY SIDE HEREFORDS


Mardella Dual-Purpose
SHORTHORNS Eight choice young bulls, 30 females, cows, and
heefers. Allof good size, ,ype and breeding. Herd
heded by The Douke: dam gave 13,59 lbs. milk,
474 lbs. butterfat. He is one of the greatest living
cmbinal combinations of beef, milk and Shorthorn charac-
ter. All priced to sell. Write, call or 'phone.
THOMAS GRAHAM, Port Perry, R.R. 3, Ont.

## Shorthorms

$\mathrm{E}_{\mathrm{E}}=\mathrm{E}=\mathrm{F}=$ CHAS. GRAHAM - Port Perry, Ont. Shorthorns - Leicesters Herd Sire: Bowing Duke Imp.
 ampion ram of 1917 . ع. R. Wood, R.R. 2, Freeman, Ont. DUAL PURPOSE SHORTHORNS

 Master Ruby, and Ury of Myreton (imp.) 135503 .
One for sale. Also cows with calf heifers and
young bulls.
Shropshire shee.
S. Shampton, Ont., Bowmanville Station.


405 lbs. fat; J. A. Campbell, Brantford. lbs. milk and 345 lbs. fa
Lindsay.

Preliminary Estimate of Grain Yields.

The first reports made by crop corre-
spondents on the average yields per acre
of wheat, oats, barley, rye and flaxseed
how $_{ \pm}$that for the whole of Canada, the
bushels, as compared with $91 / 2$ bushels
last year, and with $161 / 2$ bushels, the
decennial average for the period 1910-19
for oats $351 / 2$ bushels, compared with $261 / 2$ bushels last year and $331 / 4$ bushels, the compared with $211 / 4$ bushels last year or rye $173 / 4$ bushels, compared with $131 / 2$ and $253 / 4$ bushels, the ten-year average
bushels last year, and 16 bushels, the tenyear average; and for flaxseed $91 / 4$ bushels, compared with 5 bushels last year, and 9.40 bushels the ten-year average. These figures indicate, therefore, that for wheat the yield is just equal to the decennia bushels above average, that for barley and rye it is $1 / 4$ bushel below average and that for flax it is practically equal to the average. Applying the averages for 1920 to the latest estimates of areas sown these areas being shortly subject to fra revision) we get as the prean total yields as follows: Wheat $289,498,000$ bushels as follows: as against $193,260,400$ bushels last year oats $556,719,000$ bushéls, as against 394, 387,00 bushels; barley $64,257,000$ bushels as against $56,389,400$ bushels; rye 12,

915,000 bushels, as against $10,207,400$ | 915,000 bushels, as against $10,207,400$ |
| :--- | bushels, and flaxseed 11,090,

## Grain Yields of the Prairie Provinces

 The following is the preliminary estiPrairie Provinces (Manitoba, Saskatchevan and Albeita), the corresponding totals for 1919 being given within brackets: Wheat $260,157,000$ bushels 1635,580,000), barley $43,762,000$ bushels $36,682,400$ ), rye $9,820,000$ bushels ( 7 $(36,682,400)$, rye $9,820,000$ busels $(5,232,300)$. By provinces the estimated yelds are: Manitoba, wheat, $40,305,000$ bushels $(40,975,300)$; oats $61,328,000$ ushels ( $57,698,000$ ); barley $19,895,000$ (4,089,400); flaxseed 605,000 bushels $\$ 520-$ 300). Saskatchewan, wheat $136,880,000$ bushels $(89,994,000)$; oats 173,003,000 bushels ( $1112,157,000$ ); barley $11,640,000$ $(2,000,000)$; flaxseed $9,288,000$ bushels $(4,490,000)$. Alberta, wheat $82,972,000$ bushels $(34,575,000)$; oats $124,958,000$ bushels ( $65,725,000$ ); barley $12,227,000$ bushels ( $1,173,000$ ); flaxseed 924,000 bushels (222, 000 ).Fodder Crops.
The average condition on August 31 o late-sown and field fodder crops, ex average yield per acre for the ten years figures within brackets representing in the rder given the condition on July 31,
1920, and on August 31, 1919: Peas wheat 99 (101; 95); mixed grains 104 (105 102 ( $104 ; 91$ ); turnips, mangolds, etc 27 (95; 99): 1odder corn pasture 92 (8
$\qquad$
$\qquad$
$\qquad$
$\qquad$ shearling ram class that we particularly noticed as being open fleeced. The aged
ram has size and substance, but was of a
clightly different type to his competitors

For Dependable Breeding Cattle

| FIFTY <br> HEAD | ATtend The <br> cURR, BOWES <br> BOWES SALE | FORTY-FIVE <br> FEMALES |
| :--- | :--- | :--- |

## SHORTHORNS

At the Markdale House Stables
Markdale, Ontario, Thursday, October 7th
We have catalogued for this sale 45 head of breeding females, all of breeding age and all dependable breeding cattle. They are just the sort that will make money for their purchasers as none are in high fit and all are bred and guaranteed in calf to great sires. If these breeding cows, which all carry pedigrees equal to the best and in calf to the Country's best sires, do not make money for their purchasers there is certainly very little use of carrying on with good cattle. The families are Crimson Flowers, Marr Floras, Village Girls, Marr Stamford, Miss Ramsden, Matchless, etc. The bulls to which they are bred include Excellsior, that great son of Gainford Marquis; Brown= dale Reward, one of the best breeding sons of the famous Brownde; Nonpariel bull by Ben Wyvies and others The young bulls catalogued are also youngsters that will grade well up above the average

If you-want breeding cattle attend this sale.
CURRY, BOWES \& BOWES
FRED J. CURRY
MARKDALE, ONT
 The entire herd, including the herd sire ROSEWOOD BARON $=12408$ Wide the hilhest priced mult thy London Consygnment sale turned three yeara-a grand sife, very active, stands stralght on hio ret

 sisting of cows, heififer, and calyee (both sexes), dited by my herd
Rooowood Baron.? All will be sold without' reserve. Addreas! DANIEL T. TRESTAIN

Phone 6 r 29<br>Glencos, Ont.

Braeburn Scotch Shorthorns

## 150 Head

100 Breeding Females I have at present twelve young bulls that are now nearing serviceabie, age. The majority are sired
 breeding cows in calf to Nero or charLes MeINTYRE, Scotland, Ontario

## Glenburrn Farms Shorthorns

> Over fifty head of Imported Scotch bred and Canadian bred Shorthornis Herd headed by Rex Augustus-128232-. Breeding cows, heifers and young bulls for sale. One fine Canadian bred 14-months-old buli, sittyton -108651- Prices reasonable.
GLENBURN FARMS 45 minutes from Toronto by UNIONVILLE, ONT
H. H. POWERS, Manager $\qquad$ H. DEACON, Proprietor

## SCOTCH SHORTHORNS

My herd is stronger thane ever, and have cows number atreasonable ofrices. Augusta Sultan 03092young bulls fit ior service soon, ar sate
one of the greatest living sires, at head of hert. Write me, and, if possible, come and see me, it
worth while. Post Office, Telephone, Telegraph and Station is Stouffille, Ont. I pay the freight.

## ROBERT MILLER

STOUFFVILLE, ONTARIO

## Reyburn Milking Shorthorns <br> \section*{Herd headed by Victor 3rd, Imp., Grand Champion at Erie Show and}

 ed by Victor 3rd, Imp., Grand Champion at ErieHerd average over 9,500 Ibs. milk per cor
Choice cows, heifers and herd-heading sires for sale.
R. R. WHEATON

THIORNDALE, ONTTARIO
Dual-Purpose Shorthorns
Bulls from 3 to 7 months old for sale, also several cows. Inspection of herd solicited.
LONDON, ONTARIO
MILKING SHORTHORNS
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GALLOWAY 12hr. with friction pulley
 Burns Gasoline Kerosene
 carburetor. Perfect oiling.
omical in fuel consumption. Very econ-
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## 45 YEARS ON THE LINE Come to <br> Cotton Seed Meal <br> owl dove bar-z jay <br> F. W. Brode \& Co. MEMPHIS In TENV. Branche: Dalle, Allanta, Chicaso Our Brand on the Tag Means Quality in the Bag

## Cream Wanted

Ship your cream to us. We pay all express charges We supply cans. We re mit daily. We guarantee
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ONTARIO CREAMERIES LONDON Limited ontario

[^0]Necessity is the Mother of Invention. y downe stemant.
As automobiles increase in numbers, the price of the fuel on which they live soars The people demand automobiles, and
automobies demand gasoline and cylinder automobiles demand gasoline and cylinde
oil. It costs a great deal to run an auto oil. It costs a great deal to run an auto
mobile to-day (I know men who pay more to keep their autos running for a month than they used to earn in a month not so very long ago), and the supply of gasoline
than the used tor and cylinder oil will not be so plentiful in a year or two's time. It will increase steadily in price as it becomes scarcer. dollar a gallon in England. I don know much about oil wells, but I suppose they dry up sometimes. I do know that oil is found only in certain parts of the world. I am confident that the greatest oil wells in the world will be discovered near Wetaskiwin, Alberta. I own shares in an oil-field there, and $I$ was told when $I$ bought them that the only reason the subterranean sea of oil was not tapped
was because the drillers was because the drillers engaged by
my company were afraid that they did not possess strong enough machinery to hold the released oil in control. (The oil, it appears, is better able to rise than my shares.) If the oil- -ield adjacent
to Wetaskivin is not developed, however we will soon face a real shortage o gasoline, for Europeans, Austrilians
South
Americans, South
Africans, and South Americans, South Arricans, and
Orientals are iust beginning to develon a Orientals are just beginning to develop a
real appetite for automobiles. When they begin to buy cars as readily as we doand they will it won't be long before we are face to face with the fact that there is
not enough gasoline in the world to cun not enough gasoline in the world to run
the automobiles in use In any case the automobiles in use. In any case

it is redsonable to suppose that it will | then be very expensive. $\begin{array}{l}\text { In know than } \\ \text { many people will ridicule this prediction }\end{array}$ |
| :--- | many people ewirn ind pove this preacicion,

but that does not prove its absurdity. Ten years ago we never thought that we
would work all the humus out of oar tich prairie soil and soo bring ourselves face to face with the soil-drifting problem.
years ago we never imagined that years ago we never imagined that har
wood would be almost impossible to b in the year 1920. Fifty years ago the s
called sportsmen who killed buffaloes b che hundred for the fun of killing the great animals never dreamed that the
Canadian Government would have to import a small number of the animals from
the United States in order to preserve the species from total exticction. Firty years
ana
and ago flights of beautiful carrier pigeons
used to darken the sky. If you can find Carrier pigeon to-day, the Government whereabouts. We oolly need to look backwards sor a few minutes to multiply providence and destructiveness. It it
characteristic of the American people that they never miss the water till the well is weeping and wailing and gnashing of regarding the future supply of gasoline.
Wait
Werear or two I don't pretend to be a mechanic, but I
am convinced that necessity will force us to develop a steam engine that will prove
as satisfactory in the automobile and ractor as the gas engine. A steam engine
would take up no more room than would take up no more room than a gas not alter the appearance of either, it
would need fewer renairs, and it would last longer. There would be no intricate ignition system to handle and keep in
repair, no self-starter would be required, no intricate system of gears would con-
found the feet, the speed of the autofound the feet, the speed of the auto-
mobile or tractor could be controlled to a
$\qquad$
$\qquad$
$\qquad$
$\qquad$

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Continental Germ Free Blackleg Filltrate GIVES LIFE LONG IMMUNITY
Write to-day for Booklet "A." It contains full information on Blackle Marking and Branding, Horn Training, etc. It is free for the asking.
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A Producing Heird Where Quality Excels
I have at present just the bull call you need for your next herd sire. Visit Mang are sired by our great son of Lulu Keyes, King Korndyke Sadie Keyes, Thereas of the dams of these calves we would like to show you run from $20-\mathrm{lb}$. two-year-old priced exceptionally low CORDON S. GOODERHAM, Manor Farm, CLARKSON, ONI
RAYMONDALE HOLSTEIN SPECIAL Prince Alcartra Segis, the
With this isue we offer the 16 months' we aunverter Abberkirk Echo Raymondale.
We guarantee him perfect in every respect. He is sired by Avondale Pontiac Echo We guarantee him perfect in every respect. He is sired by Avondale Pontiac Echo
and his dam is a $24-1 \mathrm{lb}$. junior 4--year-old and a full sister to Het Loo Pietertje, the
31 -lb. \$12.750 junior two-year-old. The dam of this youngster is in caif and we are positive shear-will. Thake thirty of this youngister is at present nafe YMONDALE FARMS,

D, RAYMOND, Owner

## Hamilton House Holstein Sires

best young calves we have ever bred. All are from dams with gove number of the

D. B. TRACY

All Ralluays
Boll Phone
COBOURG, ONT
Special--Young Holstein Bull
Avondale Pontiac Echo going to John Jamieson, Cooksville, and the grandson of Rag Apple Sylvius going to Wm. Learn, Wilton Grove. Have just one bull left-a Feb. Calf got by a $32-\mathrm{lb}$. son of Avondale Pontiac Echo. Price $\$ 100$.
CEDAR BROOK FARM
INGLEWOOD, ONT:
Hospital for the Insane, Hamilton, Ont. HOLSTEIN BULLS ONLY FOR SALE

Write to the Superintendent for prices, etc.
HIGHLAND LAKE` HOLSTEINS nearly all siresent by May Echo Champion-full brother to May Echo Sylvia. Also have a few young calves by my junior herd sire whose two nearest dams 7 day milk records average higher than those of any
other bull of the breed. R.W.E.BURNABY $\qquad$
Sylvius Wallker Raymondale is the sire of the majority of our young bulb appreciate them. Their dams are mostly daughters of King Segis Pontiac Duplicate. Donit dedo
if oun want and R. W. WALKER

\& SONS

WALNUT GROVE HOLSTEINS
ram offering a chioce lot of bull calve sired by May Fcho Chammion, who is full brother o momith

Summer Hill Holstein Females widuturn dide

 HOLSTEIN BULLS FROM 30-lb. DAMS

"Premier" Holstein Bulls Roady for Sorvico-I have several young pills from dame riti

Quality HALEY \& LEE, Springford, Ont. Production




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ining, etc.

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ality Excels rext herd sire. Visit Mamy
ngsters now in the ingsters now in the pers-al
e Sadie Keyes. The reors luction considered, they an
, CLARKSON, OXI?
IN SPECIAL



stein Sires
 teor the them now wher
COBOURG, ONT
stein Bull
en sold -the grandoon of
sville, and the grandoon of ove. Have just ore tul
ontiac Echo. Price $\$ 100$. GLEWOOD, ONT
amilton, Ont. R SALE


HOLSTEINS
dider 13 months, and
other to May
ion tior herd sire whose
er than those of any efferson, Ontario
he majority of our youn bulthil sons, Port Parry, Oate
TEINS

 Norn R. No. 2, Hamillon, oont b. DAMS
 R., PORT PERRY, ONT.
 PARIS, ont. Ont. Production
of one of grat great subiin ind
sreord for 5 monthe milk well. -rown youngeter, jitit


THE FARMER'S ADVOCATE.

The Pilot Superior Heat for Farm

Homes


There are many reasons why the Pilot Superior
is the choice of so many Canadian farmers. It is
 coutriction has olaced the convenience of a a afe,
 markable cualitites. The farm home must have ad
coot collar, so that the perishable provucts tored





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## d.

 Growth of the Mutual $\underset{\substack{\text { more strenth and energy it } \\ \text { accaires }}}{ }$ accuires, providing it has er-
perieneed normid and healthy
develoment sumech as charaeterdevelopment such as charaeterited the frrst haif contury
the lifo of Canadars only Matual.
Yhis Company was incorporat-
ed in 1868, organized in
1869 and began writing business in 1870. Its steady and consistent
progres has been phenoment. The firgres from the succeasive
reports magrest alimot limitless possibibitities of expansion mTUUAL LiNe
of Canada Waterloo-Ontario $\left.{ }_{\text {ion }}\right\}$
mechanics think more than I do about
subject, I think, mechanics think, well worth discussing at
subject, I think,
the present time.

## Questions and Answers.

## Miscellaneous.

Infection on Harness.
when mech $n$ nical geniuses give as much
study to the development of a steam study to the development of a steam
engine as they have paid to developing the gas engine, they will produce a steam
engine that will start almost in stantaneously. When we stop to consider the wonderful mechanical inventions of the past ten years, it requires no stretch engine that will be sisualize a steam engine that will be as sympathetic Such an engine would not need to carry a great deal of fuel and water. The
steam could be condensed and used over again, making a large supply of water unnecessary. In fact, I understand that the steam engine already designed for automobiles uses very little water because of this condensing feature. As to the
fuel, kerosene could be used, or oil, or fuel, kerosene could be used, or oil, or
alcohol, or some light cheap chemical solid or liquid, that would generate the heat required to keep the steam up. The steam engines are. It would have no
carburetor, no ignition system, and fewer carburetor, no ignition system, and fewer
bearings than a gas engine. Its size would be steadily reduced, and its power steadily increased, as designers endeavored
to increase its efficiency. I suppose that not a few of my readers
will pick flaws in my arguments. With will pick flaws in my arguments. With
the utmost frankness I again reiterate that I am not a mechanical expert. It may be that there are sound reasons why steam cannot take the place of gasoline in driving sentment that a real scarcity of gasoline will confront us before many years have gone by, and I am convinced that wheri we begin to search for a substitute for gasoline some mechanical genius will produce a steam engine that will admirably suit the requirements of tractors and en who know more than I do about

Iave a good set of single harness that I used on a horse affected with mange. I disposed of the horse and have not used the harness since. Would there be the pad on the back-band?
2. I have a driving mare in good condition, but she is idle a good deal of the ing at something. Is this habit?
3. Is clover hay, with a small quantity of timothy in it, harmful to driving and working horses? W. A. M. wash the harness with a solution contain ing some disinfectant, and then give it good oiling or greasing. If such were done there should be no danger of the disease being carried.
this ise are under the impression that contracted, for which little can be done. 3 . We do not think so in fact, many horsemen prefer good clover hay to timothy

Growing Alfalfa,
I am anxious to try alfalfa on our farm which is in a high state of cultivation
Where is the best place to obtain good Where is the best place to obtain good
reliable seed? What is the price of same? reliable seed? What is the price of sacteria for inoculating the seed? When is the best time to sow?
Ans.-Alfalfa requires a soil in which the water level does not come near the surface. if ontario-grown seed be purchased from some of the seed firms, or from grow ers in districts where alfalfa is sold fo
seed. Grimm's and Ontario Variegated are two recognized varieties. We can spring's seeding. It will depend largely on the demand and on how this years ing the seed may be secured from the Bacteriological Department, A. A.
Guelph. Splendid catches are obtained Guem.
from sowing in the spring with a light
nurse crop of barley, or the land may be

1727

## Clearing Sale of <br> Registered Holsteins <br> Farm, Horses, Feed and Implements

Wednesday, Oct. 20th, 1920

Sale at 10 a.m. Stock sale 2 p.m. The entire herd of Homestead Holstein Stock Farm. 45 head of choicely-bred females.

Among them four daughters of Aaggie Prince Pietertje C, sire of Laura Aaggie Netherland, with 30.66 lbs . butter in 7 days, the cow that topped the Toronto sale in Dec., 1918, at $\$ 2,300$. Four are daughters of Judge Hengerveld De Kol VIII, an imported sire, a grandson of Hengerveld De Kol, with 116 A.R.O. daughters. His dam, Pomona Aaggie Queen, has 5 -year-old record of 32.92 . The young cows and heifers are sired by Hengerveld Pontiac Butter Boy, whose two grandams averaged 31.28 lbs . butter in 7 days, and they are bred to Segis De Kol Netherland, a choice young herd sire that will also be sold. He is a show bull from a $31.72-\mathrm{lb}$. 5 -yearold that has given 103 lbs . milk per day.

Byron E. Brooks will consign six head of good individuals. Among them Teake Ormsby Korndyke, a 3 -year-old, with record of 20.22 lbs . butter, and Ralph Ormsby, 11 mos. old, a choice young bull ready for service, from a dam with record of 24.40 lbs . butter.

Farm is two miles from Harrietsville Stn., C. P. R. Write for catalogue.
T. MERRIT MOORE, Auctioneer
B. R. BARR, Prop., R. 1, Mossley, Ontario

## Northern Ontario <br> The Great Clay Belt of Northern Ontario lies one degree south of Whinnipeg,  cents an acre. Here, right at <br> HON MANNING DOHERT <br> Parliament Bulldings, TORONTO <br> H. A. MACDONELLL

## BRAMPTON JERSEYS

## THE LARGEST JERSEY HERD IN THE BRITISH EMPIRE

Toronto Exhibition. 1919. we won twenty-five of twenty-seven first prizes. We now have for sale
first-prize young bulls from R. O. P. dams, as well as fenales of afl asel.
B. H. BULL \& SONS Brampton, Ontario

## All Bulls of Serviceable Age Sold

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The CANADN'S MOST BEAUTIFUL JERSEY HERD








DON HERD OF PRODUCING JERSEYS
We have three young bulls of serviceate aze-pood individuals and priecd right. Could also spart
b. duncan \& son,

ODMORDEN, ONT.


[^1]
## SUMMER HILL OREDOS <br> They Hold an Unbeaten Record for America



We are now offering a number of ram and ewe lambs sired by Lord Milton at very reasonable prices, quality considered. This ram went to the Western Stock Ranches, Ltd., at $\$ 500$ immediately after
the Chicago show. We also have shearling ewes and rams as well as have shearling ewes and rams as well as a few twonot related. We guarantee satisfaction. Follow our exhibit at the shows and get our prices.
Peter Arkell \& Sons. Teeswater, Ont.
F. C. Arkell W.J. Arkell F. S. Arkell
FOR SALE

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## Maple Shade

Ram Lambs, Ewe Lambs and Fifty Imported Ewes. WILL A. DRYDEN
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Your choice of 50 large, wellRecorded in your name and express paid to your station Also a few good yearling and JOHN MILIER, Cleremont, Ont.

HIGH - CLASS OXFORDS For SAle
Including shearling rams, ewes and ram lambs.
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 W. T. TILT, R.R. No. 6, Brampton, Ont. Blairgowrie
Shropshires and Cotswolds

 JOHN MILLER, JR.، Ashburn, Ontario

 hirty dollars, earining ive ive to seven years
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FOR SALE

Questions and Answers. Miscellaneous.

## Matriculation.

 his Matriculation hefore he must have four-year course at the O. A. C. Can aperson get his matriculation by a corresperson get his matriculation by a corres-
pondence course? $T o$ whom should I pondence course? To whom should
write about this course? Ans.-We belieye it is possible to get the matriculation certificate through a
correspondence school. Write the Cana dian Correspondence School, Toronto. Holidays on the Farm. What holidays is a man, hired by the year, entitled to? My man goes away
every other Sunday, and sometimes on Saturday nights, and I never see him till Monday. Is he supposed to be home at Ans.-A man is entitled to Christmas Day, Dominion Day, Labor Day, Thanks giving Day, and any other day or days pra claimed a public holiday by the Lieuten int-Governor or Governor-General. A man is supposed, even on these days, to assist for the chores, untess otherwise arranged for the doing of the necessary chores night and morning.

## Lime for Soil.

What kind of lime is used on soil How much should be applied per acre be secured, and what soll? Where can it Ans.-Ground limestone is the form in Which lime is usually applied to the soil the acre up to a ton or more depending on the acidity of the soil. Some put the lime in piles in the field and spread it with a shovel; others spread off the wagon fertilizer drill or lime spreader Asticul fertuizer dril or lime spreader. Agricul
tural lime is being sold by a number of firms, among which are one at Beachville, this fall's quotation on lime.

## Itchy Legs.

contracted an itch in the hind heels The surface becomes raw, and they pound
the floor with their feet creolin several times. What have used would you suggest? $\quad$ A. M.
Ans.-Purge with 10 drams aloes and foal. After the bowels have regained their normal condition, give 2 ounces Fowler's solution of arsenic sprinkled on
the feed, twice daily, for a week Make a solution of corrosive sublimate, 30 grains to a pint of water; heat to 105 degrees Fahrenheit and rub well into the skin
twice daily until the itching has ceased. Forgery.
settled by A by a private which was paper. B goes and alters the apology and hands it over to the A had written to be published, using A's name But editor refused to publish it. publish same? A having three witnesses or using A's name? or using A's name? $B$ has committed forgery and has rendered himself liable accordingly. A's regular course Code be to lay an information against $B$ before the offence the peace, charging $B$ with

## Descent of Property <br> $\qquad$

## Who can give title to said property?

If relatives have to sign off, how

Oxford Rams|Registered Shropshires

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## Yorkshires

Three large literss of young pigs at price of ordinary piss 5 all registerable. Also magrificent sire, "MacDonald George.
C. W. Edgar, Spring Brook Farms Christieville, P. Que.
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sor. We have shipped many Berkshires to Canada
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 SPRINGBANK YORKSHIRES
$\qquad$
Please mention Advocate

Sefftember 30, 1920
THE FARMER'S ADVOCATE

Stock Judging Competi tion at the Western Fair A Live Stock Judging Competition was
conducted or the firstime the Western
Fair this year It was conducted by the
Ontrio Dear Fair this year. It was conducted by the
Ontaris Department of Agriulture but
the prize money torother wiot a p oass to the prize money, together with a pass to
the fair, was given by the Western Fair Association. Only three classes of stock
were judged - heavy horses, sheep and
beef cattle This competition was open beef cattle. This competition was open
to farmers or farmers' sons under twentysix years of age. The contestants were
permitted to enter in only two classes of
stock and stock, and were allowed twenty minutis
for the placing of each class and writing
reasons. They were also called on to give oral reasons. There were eighty-one
contestants in all, many of which made good placings and gave intelligent reasons in the different classes: Brown, Shedden, Elgin, 189; 2, Oscar E Pettapiece, Cottam, Essex, 175; 4, W. R Cable, Forest, Lambton, 167; 5, Russel
Parker. Watford, Lambton, 163; 6 ${ }_{162}$ Emerson B. Werden, Alvinston, Lambton
Hegavy Horses.-Possible score, 200 2, Leslie W. Turnbull, Galt, Waterloo 172; 4, W. A. Hume, Campbellford R.R. 1 Hyde Park, Middlesex, 151; 6 Wef Rowcliffe, Hensall, Huron, 150 W. S. O'Neil, Denfield, Middlesex, 189 D. J. Lerch, Preston, Waterloo, 188 S. A. Brown, Shedden, Elgin, 186; 5 R. Bradford, Oshawa, Ontario, 183

Questions and Answers. Miscellaneous.

Feeding Treated Grain. Is it safe to feed grain to hogs after Ans.-If the grain has been left som time after treatment, it should do the
hogs no harm. There is not enough of the formaldehyde on it to cause serious

Diseased Sheep.
What is the matter with sheep when the It does not seem to bother them ver
Ans--So far as we could ascertain, it is a skin disease something like eczemp ping with some of the proprietary dip should effect a cure. It is possible materia long enough to give it an opportunity to soak through the wool.

## Alsike.

If I cut a crop of hay from a newly for coming up next spring? I intend cutting the field for seed next season. Would this be all right to save? A. D. Ans.-If there is an abundant growth pasture or cut it, but it shourd not cut so short as to impair it for standing the winter. If you cut it forld get a suffi we doubt if the piants them a chance for maximum production next year.
Setting Out Strawberries.
I purpose setting out some strawber plants. When is the best time to put them out What kind of ground is best?

Ans.-There are quite a large number of varieties, some of which are suited W believe that Professor Macoun, of the selecting in an endeavor to secure varieties it would be advisable to write Professor Macoun for the varieties which he would is generally considered to be the best time planted in rows about five or six feet aper with plants about eighteen inches apar

## O.A.C. Bargains in Breeding Stock <br> O.A.C. Bargains in Breeding Stock

 The Ontario Agricultural College is offeringShorthorns-1 extra good red lavender bull, ten months old Holsteins- 10 bull calves from ten months old down. Yorkshires- 30 young sows and a number of young boars. erkshires- 5 young sows. eicesters- 12 choice ram lambs.

There will be no auction sale at the College this fall. Come and see the stock. WADE TOOLE, Professor of Animel Heshendry, O.AC. CIJEIPH, ONT.

ELMHURST LARGE ENGLISH BERKSHIRES From our recent importation of sows, together with the stock boar , sudden Torredor, we
can supply select breeding stock, all ages. Satisfaction and safe delivery guaranted.
H. H. M. VANDERLIP, Breotor and Importor, R, R, 1, BRANTFORD,

## BERKSHIRES

MITH, Credit Grange Farm Can supply pairs not akin. MEADOWVALE, ONTARIO
 In Shorthorns, a ew ewoice young buls, and
the Miss Ramsden sire, Royal Ramsden, by Golden Edward
JOSEPH BREWSTER, Seaforth, Ont.
$\square$

ADAM THOMPSON, R.R. No. 1, Stratford, Ont.




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## Our School Department.

## 'Educators Personally.

A American educational periodica Which is doing excellent, work--the to be explicit-has fallen into the habit of articles entitled "Educators Personally."
One of these articles, for instance, told about a man "who came out of the West soil and what could be done with it His name was Perry Greeley Holden, one-time director of the Extension Department of the Iowa State Agricultural College of Ames, and he saw, with his mind's eye, the picture of waving corn-
fields in Iowa, every one of them growing fields in lowa, every one of them growing
two stalks of corn and twice as hightwo stalks of corn-and twice as high-
where only one stalk had grown before. Iowa is in the corn belt, but all of its farmers did not know how to grow corn. Holden preached and demonstrated, demonstrated and preached. "Test, don't guess," he said. "Know before hand that every kernel of seed you plant shall
grow."-Makes one think of that Ottawa grow."-Makes one think of, that Ottawa
Valley farmer called Meldrum who, long ago, proved the doctrine of better seed by setting his big family of boys and girls at selecting the grain.-But to return: and constant cultivation and, we are told, had before long doubled the annual corn crop of the state. . He was an educator, agriculturally
In another issue the Journal told the story of Neil C. Macdonald, who retired of North Dakota with a record for country school progres that will make him long remembered. Here it is, in brief: More consolidated schools in the open country than in any other state in the union; the population than in any other state more country school nurses than in al the rest of the union; a larger per cent rural schools than has ever been given in increase in music in rural schools tha was ever known in any other state; hot school luncheons in winter; a greate Just pause over those items long enough Just pause over those item
to realize what they mean.

And other issues bring acquaintance
with those wonderful women Josephine Emily Griffith, each of whom deserves whole chapter to herself. . . elucators, not just school teachers.

For a difference is implied, even though it may nọt always exist de facto.
Sne sometimes wishes that wor gotten realms where the dodo, and the
rreat auk, and the mammoth, and the great auk, and the mammoth, and the vehemoth, and the ichthyosaurus and the
pterodactyl be! "School-teacher!" pterodactyl be! - ${ }^{\circ}$. . School-teacher! -but one remove, in the association of
-deas, from the "schoolma'am" or "school master,"' thê long suffering, half-educated, tortured, insignificant individual who

There is some dignity about the ide of bzing an "educatorl'- -something power-
ful enough to make the school-teache throw up his shoulders (or "hers"-drat
the our pronouns!! and realize his importance yet, not every school-teacher is entitled to
$* \quad * \quad * \quad *$
Speaking very seriously, may we repeat again our conviction that there is no pertant as the real Educator. We fail to because we cannot, as a rule, see the
results immediately. Of necessity the work is slow. It is akin to the way of working not only with the human material in hand but also with unborn
children now sitting on the benches how far may not the influence of the Educator thrown into the old simile of the pebble thrown into the pool, his words and his example, the inspiration kindled by him may spread out and out, like the widening women farther and yet farther and moulding their lives, extending their influence. There is not a great man in the world to-day who did not one time sit at the feet of the teacher in' a class room.

It is a matter for regret that the examples of individuals given above, by name include not one Canadian. There have Canada, but the information regors in them is not at present in the hands of the writer.

But, after all, what matter? In all things good or beautiful-true education high character, helpful science, musio be no dividing line. Humanity is ever-will be, greater than nationality

In closing: Might we not make more o "Educators, Personally" in Canada? Might we not give more public apprecio educate along high and right lines Should we not accord to him the position of importance which will guarantee him support and a hearing? In short-othould we not demonstrate that we ourselves are able to see the value to the children, the state, the world, of "Educators, Personally'
For such recognition must inspire any Educator, man or woman, to greatel hothing that helps like encouragement.
A year or so ago, in a smalr American own, a teacher who had taught most of brated an advanced birthday.- Rather the town celebrated it for her, for a public holiday was proclaimed and there were great doings, centering about the smiling old lady who had meant so much $t 0$ the lives of the celebrators and the in Canada we may begin such recognition of our "Educator Personally," not always. perhaps, waiting for the "advanced" birthday. Then, and possibly not until then will the teachers themselves, as a class, recognize the full scope and dignity of their work, and a definite goal as the objective of capable teaching and ian sponsibility.


Quigley Cheese Factory:


School in S. S. No. 5 Lochiel. The school is the most important institution in
any cuntry, and the chese factory is a ore
rumner of prosperity. The above school and fro


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At Rock River Farm they credit to the action of a Goodycar Extra Power Belt, the saving of two days in filling their four $14 \times 40$ silos over the time it took them formerly.
Out at Dalmead, Alberta, there is a whole family of Extra Power enthusiasts-the Van Der Veldes-who believe that the time and money saved by Goodyear Extra Power Belts far overshadows its slight extra cost. A. Van Der Velde has been using Extra. Power for the last three seasons and says "They have proven far better than you told me they would." N. Van Der Velde says "Even if it is loose, it hugs right to the pulley. I have never thought of using any belt dressing. Other years I was pouring some kind of belt dressing on all the time." John also writes us "I am well satisfied with the long life of Extra Power

Belting and think it worth double the extra cost." Martin, Writing about the Extra Power Belt on his separator, bought in 1916 and still in use, says "It is as good as new. I have threst ed for two weeks without any covering on my blower pulley. I have never used any dressing. Have run for two solid weeks without relacing.

Goodyear Extra Power Belts-run trouble-free, and carry steadily, uninterruptedly, the time-saving, money-making flow of powerSilos filled or threshing done, the same equipment piles up the same results in wood sawitg, feed grinding? water pumping any work that you can hook up a tractor or engine to do on the farm.
You can buy Goodyear Extra Power Belts for your every need from the Goodyear Mechanical Goods Service Station for just a little more than an ordinary belt would cost you. And you can be certain that every Goodyear Extra Power Belt will have the standard Extra Power qualities proof against moisture, the friction surface that grips, the flexibility that runs trouble-free and requires no breaking in. Helpful information on your farm power problems is offered in the Goodyear Farm Book. Either the Goodyear Mechanical Goods Service Station or The Goodyear Tire \& Rubber Co. of Canada, Limited, Toronto, Ont., will furnish you one gladly


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    seed then sown without a nurse crop.

