## PAGES

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## Che Farmer's Yavocate <br> -Persevere anc Succeed,

## and Home Nragazine

$\dagger_{\text {Vol, x.t. }}$
ONDON, ONTARIO, NOVEMBER 14, 1907.
Fairs, and the free short courses for farmers pro-
vided by the Agricultural Colleges, lasting only vided by the Agricultural Colleges, lasting only
two or three weeks, are inexpensive opportunities two or three weeks, are inexpensive opportunities
for gaining information which may be profitably atilized. These, together with the advantages afCarmers' Institute system, conventions, and the
sion, the many good books a available, and the regular visits of farm journals, in which practical
farmers relate their experience, and scientists who have applied the tests of observation, analysis and experimentation, freely answer questions, giving
advice and reasons for their conclusions-all advice and reasons for their conclusions-all com-
bine to place within reach of the farmer helpful bine to place within reach of the farmer helpful
information, some of which may suit his ininformation, some of which may suit his in-
dividual conditions and circumstances, and may be turned to profitable account. The time has sureturned to profitable account. The time has sure-
ly passed when farmers can afford to discount the aid afforded by science, invention and discovery placed before them at so little cost to themselves, and it is gratifying to observe that " book-learning " is no longer despised so generally as formerly, but that, intelligently selected and studied, it is accepted as helpful in the prosecution of the most important of human occupations, the man-
agement of a farm. agement of a farm.

AMERICAN AGRICULTURE THROUGH SCOTTISH EYES.
From reviews of his standard volume in relation to the farm live stock of Great Britain and other portions of the Empire, published in these
columns from time to time. "Farmer's Advocate" readers are tolerably familiar with the name and work of Prof. Robert Wallace, of the Department of Agriculture and Rural Economy in the University of Edinburgh, who, during the past summer, paid Canada and the United States an extended visit. Since his return to the Scottish seat of learning, he has begun to make good use of the stores of agricultural impressions gathered during his journeyings on this continent. 'In opening what is called the Garton course of lectures on Colonial and Indian Agriculture, he told of his visit to the numerous agricultural colleges and experimental stations in America, and outlined the nature of the educational and research that so learned and capable anserver as fessor Wallace has earned the reputation of being, was, on the whole, favorably impressed with the activity and efficiency of the various institutions visited, and, above all, with the generous part which the American Government plays in promotvestigation. The Agricultural Department at Washington he describes as the greatest govern-
ment organization of its kind in the world. He ment organization of its kind in the world. He does not think that the agricultural resources o America are approaching the limit of development. His version is that a vast amount of uncultivated land exists in almost every State in the Unionpressure of population makes it necessary. Unpressure of poputaty this is true, as was emphasized in our review of the Svracuse, N. Y., specch by course of Wilson last week, and we shall see the course of
events taking place in Canada. At the same time, Prof. Wallace says that the boundaries of the areas of cultivation are being extended by the efforts of the Irrigation Division of the Department on the one hiand, and of the Dry Land Division on the other. Apparently, the farmers in the rainless districts. muided hy the pioneer overcoming many of the initial difficulties. By giving special attention to the cultivation of the
surface soil, they manage to restrict evaporation,

Division of the Agriculturats Introduction ing and improving plants adapted to the selecttions, the natural disadvantages under which they labor have been greatly mitigated.

## TOO BUSY TO MAKE ROADS I

A special correspondent of the London (Eng.) Times, as a result of a most painstaking tour nothing in Canada is more striking conclusion that than the attachment of the people, not stranger the country itself, but to the particular part of it in which they happen to dwell. He finds it the same from one end of the land to the other, and this national and civic pride he regards as the outstanding characteristic of all Canadians, being one of the best proofs of the confidence which they feel in their country. This confidence is largely due to the remarkable development of industry and agriculture in recent years. As incidental examples of town growth, the Times correspondent. cites Port Arthur and Fort William. In 1901 the former had a population of but 3,000, which last year had grown to over 10,000 , while about 13,000 . He describes these towns as well
a about $13,00 t$. He describes these towns as well
supplied with power from the beautiful Kakabeka Falls and other sources. They are well lighted with electricity, and possess a good system of electric street railways, and appear, in "almost every other respect," to be efflciently equipped. Just here, however, the proverbial fly in the ointment makes its appearance, for the Times correspondent notes, with pain, that, in common with most Canadian localities, these towns are was told thatective in the matter of roads. He roads." It may be so, he commente but when they find time to make so many other civic and municipal improvements, he could not but regard as a serious blemish the state of the public highways in many flourishing centers of population, and, had he visited many rural districts, his impression would not have been any more favorable. The condition of our civic streets and rural roads are confessedly a bad advertisement of the country, and the wonder is that the taxpayers have so long tolerated a system of mismanagement which gives the

## THE FOUR-HORSE AGE.

The farm-labor problem is being reduced to a matter of mathernatics, Briefly, the question may be epitomized thus.: With wages at $\$ 1.50$ to
$\$ 2.00$ per day (counting board), can a farmer afford to have one man following a walking plow arawn by two horses, when experience proves that any reasonably capable man can do twice as much work equally well or better by using four plow? dian farmers answer this question wisely by investing in the faster-working implement. by imwas when Ontario farmers deemed the four-horse plow practicable only on the plains. Necessity has brought us to view the matter differently. By clearing obstructions from the fields and removing cross-fences, we have fitted our farms for Che advantageous use of fast-working implements, and, by gradually introducing these into our farm ractice as opportunity offers, we are increasing he earming capacity not onty the men we bire, but or the time wich we, as employers, spend on our own farms. It has cost us some-
thing in money and convenience to make the
the Farmer's Advocate
and Home Magazine.
the leading agricultural journal in theminion DOMINION

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London, W. C., England. London, W. C., England.

- TMFR Par ver's advocate and home magazine




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with ChMMUNICATIONS in reference to any matter connected Address-THE FARMER'S ADVOCATE,

Lon'em, Cairama,
chat tron tor the farsighted fortorse to four-horse facilities, but pinched, and fow thoroughly adjusted that things are becoming more employers are surprised to find themsel of wages, ly better off than before. The labor pros actualhastening the adoption of improved methem, by working out to be a distinct boon to formers, is well as farm laborers. It is raismp h. avers, as of accomplishment on the farm, thereby enhancing the wages earned and elevating the level of farm work, farm profits and farm life.
Yet it is surprising how prone we are to make of the past ficient force decade had been impressed with suflabor to the fullest possible extent. One would think every enterprising farmer would desire, at least, to double the earning power of every day's abor applied to the land. But, strange as it themselves many have imposed new handicaps upon mplements mplements only a little more efficient than the ather sacrifice must he mat long an and purchasing otherg still for discarding these the two-horse team for ordinary farm The day of is rightly regarded as past, but the man who dis cards two-horse implements, only to take wis the three-horse outfit, is making a costly mistake This is the four-horse age
nearly every description at the farm products of serve to make farmers wear the smile that stays and to render them serenely satisfied with their of the good things of life, and receiving good reason to envy the dwellers in town who are pay-

OUR MARITIME LETTER
the situation as to frutit.
Without any doubt, the past season has been a peculiar one in its relation to many of the
products of the soil, but especially as repards products of the soil, but especially as regards
fruits. Hopefully, every fruitman in the Do minion saw the trees of his plantation burst into profuse bloom in the spring; less hopefully did he observe the fixing of the fruit itself, and, after infinite pains and a care altogether worthy of better things, were these hopes, long entertained of a fair return, at least, when the packing seawhich came round, blasted by the September gales, which strewed the country with immature apples, wheless for any commercial or culinary purpose whist still colder winds and snowfalls encom the discrust seized upon the vinters of the wion must have a few weeks ago, when their grapes was attacked by severe frosts and of stroyed in a night, they being helpless to save it to the fruitmen of Canada, and you have the feel ing which is uppermost in most places at the present moment.
And still there are sections which rejoice in a bumper crop. The great Valley of Annapolis, in famous for its apple production, this year white all the rest of Canada is pinched for fruit, while joices in the best harvest in its history.
a doubly satisfactory condition when the whole market is your own, and, as a consequence, prices are at your placing.
" Many of the fruit-growers of Nova Scotia are, this year," writes Chief McNeill to us recently, "? netting from one to three hundred dollars per acre off their orchards. This will pay them if they do not have another crop for five years,
but the chances are that they will have to one hundred and fifty dollars per yeer from fifty ly one hundred and fifty dollars per year regular-
ly. I have just returned from a trip through the Valley, and have not visited a single well-kept large. Prince the profits are not extraordinarily and there is no reason why they should as well, in this industry.
Well, whilst we are not envious of our sister throw all the dollars they are pocketing would not shoulder, either, we are not in the fruit circle this year, have not been for several years back this are perhaps a little cool and unsympathetic and the fruit situation generally. We have no fruit to sell-not enough for ourselves-and, as we are a Province of apple-eaters, we will be forced to across the Straits for even what will furnish the requisite sauce for the Christmas gill furnish the is the matter with us? We don't exactly know and the sort of article prophets that know it all; especially in pollination time provided this spring, to inure to the perfecting of fruit not calculated sheltered places-a proof of the disadyantageme denudation of the forest-there is a food cates of apples reported: but the cold, damp mist-laten or days of May, where such protection failed badened out conclusively fruit prospects, so far as the pomifers were concerned, at least. We may do better next season; we must not be cast down.
Indeed, Mr. McNeill writes, exhortine very data above given, to go into great plantings here, as we stand to profit hy horticulture more than anything else in sight.
Without doubt, we want co-operation here before fruit-growing can be intelligently and profitnot all socuted. We all know this, thut we are not all so completely convinced as to the quality
of co-operation we need. Some pooh-pooh the
very thought of very thought of general co-operation poohtil weoh the great stretches of fruit trees in bearing, as great
as the orange groves of California of this class. The same tactics oltainal when we attempted co-operative dactics olvainumy when
us wait until we improve our hor us wait until we improve our herds,"" the un-
progressive cried out at every corner. the plunge :
selly get on to a mutual agrecment to raise ant the truit under the same favoring conditions, an He maustry will go ahead with leaps and bounds buy the stock . Whe whole co-operation the apples, pack them, ship them, sell them that nit to sell after cidering, evaporating, and ming the refuse, and give the money that is them to whoever owns it. They are doing th perywhere else; Nova Scotia has adopted this if and is prospering under it as she deserves. ing stock. Get your says the Chief, " in buy. annual meting your coinmiteces struck at the for stock, and send them Take orders the trees in: the rest will follow,' 'Wes. Ge so sure about that Planting is We are no mencing at the bottom, and all industries com be well planted; but there is organizaties must to co-ordinate in the produce of what one acd have and turn it to some profit already proper spirit cannot be breathed into things. It that were done, we believe the planting would quickly look after itself. Then, what of the nursery competition? In any case, the department formally charged with the encourapement and extension of horticulture should take some practical stens to bring about whatever co-opera They portant enold dairying ; the fruit business is important enough to engage their serious attention

The New Brunswick apple crop is small, but of grood fruit and have shown that they can grow Province saris. The ceparated They and the iruit sections widely Organized Ontario an mithent. too. of the primary sort; indeed without much direction officiousness of Dominion experts lumbia is organized on the American plan Cofor weal. Iet the Divis, whether for woe or then, to the Maritimivision devote inore time look for assistance, and wheres, where the peopl fraught with great good. The holding of Nation al Councils biennially, at least at Ottawa, and the overseeing of the packing-houses, will be about all the great Provinces will exact federally systematizites an immense thing; it wants intrusted with bady. Let the parties formally and, even in the work by the nation get busy Scotia will not alone berse years as this, Nova
the shekels.
BURKE.

## HORSES.

## LAMENESS IN HORSES

Ringbone RINGBONE
situated between the fetlock and to a bony deposit deposit may encircle the whole limb, or may be only, but is called ringbone in sides, or in front Ringbone is of two kinds in all cases.
ringbone is an exostosis (a bony and false. False bone between the fetlock and pastern joint, but
does not involve either jon does not involve either joint, and does not cause large. Some consider that it when it is very stitute unsoundness, but, as there is does not conthe growth extendin. and involving the joint, we think a horse affected should be considered, we True ringlone is one in which either the cof or pastern joint, or both, which either the coffin
the coffin joint is diseased ared. When tone and when the pastern is the the low ringfingbone. When the pastern is the seat, hingringbone. By involving the articulations, these
cause more or less acute, obstinate, and, in some
cases, incurable lameness. Ringbones, whether
hioh high or lorv, vary greatly in size Rbones, whether of lameness is not by any in size, but the degree size. An animal with but means indicated by the may show little, while another a small deposit may Causes. - In most cases there is an hereditary
predisposition, and if the , wed gree of the animal
affected can tre traced back for affected can tre traced back for pree of the animal affected can tre traced back for several generations
it will generally be found that will generally be found that an ancestor more sually caused hy sufered from the discase. It is ression. By this means inflammation is set up the inner (called the cancellated tissue) struc-

OVEMBEI
nto bono
a joint is involted, the cartilage covering the ends
of the bomes is diotroved, and
ameness. ringbone kingbone Symptoms, in it is very seldom such occurs. is irregular, vity antu. urcasionally, not well
marked at timme in the early stages, but as the disease adrances involved, lameness hecomes permanent, and more
or less acute. In cases where the coffin ioint
(which is situnt 3 lameness is often apparent for considerable time ern bone enlargement until it extends up the pasfrom this cause is often hard to diagnose, as there 3 fecon

The somewhat con due to the presence of some abnormat ringbone is of this, by cutting into the fetlock the removal secting out a small quantity of fat pad and dissue, is, of course, totally without foundation
Ringtone is in bone, and, while a it involves of bone ; it originates destroys other tissue, it is essentially a bone disease, and should be treated as such.
The inflammatory action exudate thrown out becomes ossified (converted into bone). When the articular cartilage of a
joint is involved, it becomes destroyed, and as the process of ossification continues, the bones of
the joint become united (this process anchylosis), and, of course ceases this is called joint, the bones being united into to exist as a
anchylosis has become then anchylosis has become complete. inflammation sub-
sides and lameness ceases. There may sides and lameness ceases. There may be faulty
action, owing to the stiff joint, but pain is longer present, and the animal will go practioally
sound, notwithstanding the absence of the joint. Treatment. - In treating a case of ringbone, th practitioner aims at curing the lameness o
He does not attempt to remove the The enlargement is a growth of bone; the bone is diseased to its innermost parts, and a little con sideration will convince an intelligent man that
it is impossible to effect a removal of the enlargement. Treatment should be directed to the has tening on of the process of anchylosis, for, so long as this is not complete lameness will be shown.
This is done by counter irritation, in the form This is done by counter irritation, in the form
of blisters or firing. which sets up a superficial orritation, increases the internal inflammation and thereby hastens the subsidence of the same. In quite young animals repeated blisterings may
effect a cure, but in the majonty of cases it is better to fire and hlister at once. This should b
done by a veterinarian. It is the patient will continue to go lame for considereven longer after the mentioned is often slow. When as process not taken place in ten to twelve months, it is well to fire again, and if this fails to effiect a cure, we may decide that the case is incurable, and the
only means of removing the lameness is by the operation of neurotomy, which consists in removing the nerve supply to the foot. This operation
can be performed only by a veterinarian. It does moving sensation. As the process of decay and
repair goes on in the foot after the oneration in just the same manner as before the operation, and the animal will not show any symptoms of pain,
and hence is liable to become totally useless, from ate except in cases where the animal is practic,
aty
ly useless from severe lameness.

CO-OPERATIVE HORSE INSURANCE.
ceives numerous requests for the address of a firm who will undertake to insure stallions. While there is an English company with a Canadian
agency, which assumes such risks, it is by no agency, which assumes such risks, it is by no
means anxious to engage in the business, and declines to push it, in Canada, at least. The lack of any active private enterprise in this direction, sug-
gests the question whether some co-operative gests the question whether some co-operative
scheme for horse insurance might not be devised In Europe, it is said, associations for the mutual insurance of all kinds of live stock, on co-opera-
tive lines, are to he found, organized into federations, thereby strengthening themselves to meet an epidemic of disease in any particular locality.
The principles on which such associations are conducted insure great economy, and thereby admit of very low preniums. In a recent number of the Journal of the Board of Agriculture (British), we were interested
to observe a rather full account of a co-operative to observe a rather full accoun a Newark Horse-
insurance organization called the Newe
keepers' Tnsurance Company. Timited. the nineeenth annual report of which had heen recently

THE FARMER'S ADVOCATE
ciation until
incorporated.
incorporated.
The objects are set forth in the prespectus, as
follows? 1. To provide veterinary attendance in all pany within a radius of eight miles. market value of the animurers two-thirds of the The rates charged range as collows, according to a definite scale : 2 s . 2 d . per quarter for an
animal valued at $£ 7$ per 10 s . 5 s .9 d . for one valued at $£ 20$ payable at death
able 136 s .
d able at death; 17 s .6 d . for one valued at pay
£40 payable at death. For animals L40 payable at death. For animals of greater
value than $£ 60$, a special rate is
pliee plication. These premiums entitle quoted on ap-
free veterinary such be required, during the period covered, and members are further entitled to the services and reduced fee of 5 s . when purchasing a horse period from 3rd March (the date of incorporation
to prise began well under the nows that the enter-paid-up capital of $£ 410$ in $£ 1$ shares , The ai rectors were able to write off $£ 328 \mathrm{~s}$. 6 d . from £83 10s for account, and, after paying over tion to management expenses, were in a position has been consistently maintained ever since. which the reserve fund was credited to available balance and further allotment of shares. In the following year the directors determined to make final alproportion shares out of the balance of profit, in when, all members amounts pard in by members,


Farm Pets.
to their credit, aiter allotment of share or shares up a full share, or have such fractional to make over to them. The paid-up capital thus rose to ©647, at which it remains.
In 1902 the directors
of 10 per cent. to policy-holders to pay a bonus their premiums. This was repeated for 1903,
and was increased to 20 , 1965 . At the close of last year hor 1904 and to the losses being the heaviest so far experienced, the the follows losses from year to year have been as

Average
Payments Made.

The balance shect just issued shows: Assets current account, £121 6s. 1d. Liabilities-Capi account, £647, reserve fund. £115. Prolit and los 7 d . was received in premiums on account of 183

## A SATISFACTORY SHEEP-RACK

 Editor " The Farmer's AdvocateI herewith send a sketch of a sheep-rack which Take two inch boards, 12 in. by found a better them together to form a half square. Take nil blocks, one for each end of rack. Put the board on the blocks open side down, then lay a boand
1C or 12 inches wide alongside the 1C or 12 inches wide alongside the others, with a
narrow strip nailed on the outside edges narrow strip nailed on the outside edges ; then
you have the bottom. Take a piece of board, put on a cross-piere in the form of a T. Cut a notch near the ends of cross-piece, about $\frac{1}{}$ inch deep and four inches wide, to keep the racke from
sliding off. Then cut two notches five or six
horses insured, $£ 15$ s. from entrance and transfer 19 s. 5 d . interest from deposit carcasses, and $£ 19$ and in the sums distributed as interest on capital rectors' fees, $£ 2212 \mathrm{~s}$. went to the secretary in di10 d . to $£_{2} 2 \mathrm{~s}$, to the auditor, and $£ 6011 \mathrm{~s}$. Since the formation
company, £41 19s. has been paid assiation as a which would have remained to augment profits had the members in 1898 registered under the Inciation so registered could have continued An assocrease its capital to any extent, and strengthened ts position by placing the sums paid out as The number of members now stands at capital. market value of the horses insured at $£ 3,505$, and the claimable value at $£ 2,33615 \mathrm{~s} .4 \mathrm{~d}$.

## LIVE STOCK.

NATIONAL LIVE-STOCK ASSOCIATION A meeting of the executive committee of the
National Live-stock Association of Canada was called for November 7 th, to make arrangements Ior another general meeting of the main organiza February next. It was mainly probebly during strumentality of this body that the present Ne tional Record system of Canada was promoted and, while its control is not vested in this As
sociation, but under a Board directly representin the various breed-record associations, there will doubtless be some review of or allusion made to
the workings of the new system. The conventhe workings of the new system. The conventhe live-stock and other organizations in all the different Provinces
of Canada, will of Canada, will
of Cane
have to deal chief-
ly with it other
problems affecting problems affecting
the importation, the importation, tation, inspection of pure-brad aning of pure-bred and Errevences 1 rom
time to time crop up in connection with the adminis-
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over the railways.
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istration
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stock coming instock coming in-
to the country
duty-free, ond for duty-free, and for tion by exhibition associations of the rule requiring all pure-bred stock competing for prizes to
present certificates of registration in the National Records of Canada. It is, therefore, advisalble that careful preparation should be made in all the headed and representative delegates, but of clearful collation of the facts bearing upon cases to the problems dealt with. A thorough considera-
tion of some of these in advance will facilitate their of some of these in advance will facilitate than when hastily improvised on the eve of a great gathering like the one to be called. If "The Farmer's Advocate " can be of assistance grievances, our columns are open for thetantial
se. .

## THE FARMER'S ADVOCATE

inches from center of cross-piece. Nail these (the GOOD FEEDING STEERS HIGH AND HARD TO Then take four pieoes of scantling, of the boards. 4 by 4 in., for your racks. Make the rails of 1-in. hard wood Bore the place for them in the scantlings with a $\frac{7}{6}$-in. bit. Put the spaces 4 or $4 \frac{1}{3} \mathrm{in}$. wide, or just wide enough to prevent the sheep putting deep. Now hang your racks on the crosspieces ft , the T's. Draw the racks out to the outside notches, then put in the feed. Push the top of the racks into the inside notches. Then, the grain drops in as the sheep eat the feed, and the have no trouble getting the feed, as the racks keep closing in as the sheep eat the feed. We feed our
sheep in the morning sheep in the morning on unthreshed peas-the best
way to feed them grain. Place the pen so the sheep can go round it, and there will be no crowding.
Victoria Can go round it, and there will

## SAWDUST AS BEDDING

The problem we have to solve this coming win-
ter in our district, as in most of to provide sufficient feed for stock and find bedding for them as well. Can you or any of your readers give any information as to sawdust for as manure? I have had no experience in this if the sawdust deteriorates the value of the droppings from the animals, I cannot afford to lose
that.
SUBSCRIBER. Ans.-Sawdust makes a first-class bedding ma erial, and farmers in the neighborhood of saw mills will do well to make liberal use of it this year and save their straw for feeding. In tests of Station, it was found that Maryland Experiment per day kept a cow as chean as 2.4 pounds uncut wheat straw ; that is to say, about the same bulk of each was required. Sawdust was very satisfactory as a bedding material; it kept
the cows clean, stayed in place well, and was from dust. Shavings also gave excellent sattis faction, being preferred to straw. Incidentally $t$ may be in order to note that in these experi than cut straw, although the absorptive capacity of each was the same. In other words, if the obiect were merely to soak up all the liquid,
was as valuable as the other, but where was as valuable as the other, but where the aim litter, there was a loss, apart from the cost of the work, in cutting.
Our friend need have little fear of the sawdust
lessening the vaiue of this lesseming the value of this manure. While the inconsiderable, it is beneficial, in that it absorts the valuable urine, and thereby helps to conserve the full fertilizing value of the animals' excreta. True, it is sometimes objected that in light, sands enough and keeps the soil too loose, but this ob jection would not be very general. On clay land the presence of the sawdust might be an advantage, tending to open up the texture somewhat. It
one does not require to use sawdust alone one does not require to use sawdust alone, so
much the better. Let him get what he needs and use it to supplement the supply of straw
The daily use of a pint phosphate in the gutter behind so of ground rock phosphate in the gutter behind each cow is also manure hy helping to absorb the liquid and adding to the phosphoric-acid content

FEEDSTUFFS MAY COME DOWN IN PRICE
ditor "The Farmer's Advocat
year will be very many fewer than lact latity this should say not over one-half. There are lew good feeders to be had, and these are as high as last year, but poor ones are very cheap. The condition, well developed at early ein good cattle in good condition, and look for goocd prices range high in the spring. As preparation for winter feeding, a few try good grass cannot he had cheaply. We dehor our cattle, and feed lonse. For bulky food, our main reliance is corn silage, which is getting a
great boom this year. We feed 30 to 35 pounds per head per day. mixed with straw cut at thresh ing time. Use a little meal, and some long hay For che itself. For carring steers over winter,
our grain ration is an average of alout 3 pounds
per dav of a mixt and millfeeds. For finishing. we we. start in with
two pounds and increase gradually. two pounds and increase gradiually up to nime or ten pounds, making an average in six or secen
pounds per head per dav fare should to evercised in buying feedstufre fust now. as. in my
opinion, they may come down in mich. Fromen
wheat will likely
wheat will likely be shippel in
Ifuron Co, Ont.


NOVEMBER
THE FARMER'S ADVOCATE

LOCUST TREES FOR fENCE posts.
 learned the sis a Pennsylvania cierman an seeds must be gathered in the fall and kelt dr
throughout the winter April the secds should be selected, the middle of and hot water poured over be placed in a vesse 3 constantly while the water seemains most be stirred remain in this water over night, when the seads poured over them, the stirring process being re peated, as on the first morning. This should be
When the seeds will appear ready to burst open, from the shell. he garden, take clean sand and place a part of the bottom of the trench. Ihen drill the seeds the same kind of sand, clear and sharp, such as shallow layer of dirt. on top of the sand place a year to withstond will grow large enough the first year to withstand frost. The following April way, and the ground kept clean and free from
weeds until the shoots are well started to
Mr. R. Fllenbarger, who introduced this method hin, rough pround in an acre and a half of ground was so disposed that it were ten years old he sold them for $\$ 300$ as they nd almost were taken off close to the ground through the soil from the living roots ol the thoroughly tore up the soil betweon plow and utting as many of the roots as the stumps, aused the roots to send up countless shoots This he ground was fairly thick with them. All theso The second vear it was seen that the trimming shoots had crowded out the weaker ones inally, within three years, the remaining saplings tive feet square. They grew in thit one to every turity, or to a size tit for posts, when they were The second crop was sold for a larger sum than
the first. Acain the shoots the strong smothered out the weak, only the fit test surviving, Mother Nature being allowed to
make her own selection. How many times this
process process can be repeated, there is mo way times this
ing by anyone in this section of the country. The tract described is now covered with diameter, and tall cnough to make eight or te ine split into four posts each. The single trees will than the last number. These posts sell for 25
cents each in country markets, and doubtless for Thirty years ago Mr. Ellenbarger set severa hundred of his own raising. Last summer the
ience had to be removed. and Rudolph Hoover grandson, found the posts apparently as sound as
the day they were set. He believes they are good or another thirty years. At any rate, he conotherwise was new. The wood was firm, and
held nails like new stuff. That they will outlast ron posts, is well established. subject to Canadian farmers, we submitted the oregoing to Proi. F. J. . Tavitz, Forestry Department, at the Ontario Agricultural College, who re-
plies as follows: seed for some time, as described in the article. All such seeds are immersed in boiling water be-
fore planting, and then planted in the nursery iore planting, and then planted in the nursery
lines as we would any other seed, this giving - good results, Instead of soaking these seeds
several times, we simply put them in boiling water once, stirring until cool, and leave them in
the water for a few hours. Dlantingr. Reging the financial side of black-locust planting, this is a more difficult matter for me to
answer. Whe know that black locust has been grown successfully and with great rapidity, as
described in the article, in Indiana. Kansas and most of this planting has heen done on what we
would call first-class agricultural soil. Another that in some of thece States fencing material is

Would probably bring a much better figure than
in Ontario. It is questionable whether it would
paly in (int pay in Ontario at present to use goour agraticultur-
al soil for such work; in fact, 1 do not believe
many farmers would vising the use of them for locust trees and ad out cannot give definite figures as to rate plang is, that black locust will thrive one thing; that vell on very poor soils, and I mught add that ively are us ng now a nitro-culture on our swat so producing nodule, which we hope will the nitrogenboth to the waste land and to the thee beneficial order Leguminose, which includes the botanical alfa, peas, heans, etc.] the black locust, from various records fence post to be one of the most durable woods in contact the post spoken I would not consider the life the post spoken of in the article as being an in very favorable soil, as regards decay.". have been

THE OXFORD COUNTY ROADS

## The Oxford County Council decided to take

 to pay one-third of the cost of road machinery regulations. But it appears there has well-defined siderable difficulty in realizing there has been con-bv-law in shipshape it has now been fixed up toCouncil.


Shearling Leicester Rams.
urchased by the Government of Nova Scotia to be sold at public auction and
used for breeding purposes in the Province. Photo take on Agricul-
tural College Farm, Truro,
There are about 260 miles of these county o this mileage is allotted amongst the different, awn ships, and, for the purpose of being better managed, the County has been divided into two diisions, the north and south. Mr. Louis Kauf
man is superintendent or inspector on the north ern division, and Mr. John Whitton on the south both capable men, having considerable experience in road construction. These men are acting under
the direction of a committee of the Council. The committees purchased two steam road rollers, four stone crushers, two working engines and several dump-wagon boxes; besides, they have two engines hired. They have also lately got a hauling traction engine of 30 horse-power and five
large cars. These and other small tools have been purchased at a total cost of about $\$ 25,000$. When the traction engine is in good working shape, it
is expected to effect a saving of from $\$ 12$ to $\$ 1.5$ per day on horse-wagons on hauling over three short hauls. Gravel suitable for making crushed stone was obtained at 35 to 40 cents per cord. There are three stone-crushers at work in one pit,
and the north-end teamsters commenced making road ahout tot , on the old tenth-line making Chamesford village. This is a roath towards Thamesford villago. This is a road on which berl was almost worn out, as very little expenditure had been made on it for a number of years
The road- -rader was first used to make a depression and teave shoulders at the side to hold the
crushed stone in place. This depression was matle
10 feet wide. and was filled in with coarse crushed stone to the depth of about 9 inches in the center.
vith a coating of fine crushed stone on top. The

1 in. to -wagon going ahead
in. to $1 \frac{1}{1}$ in, to the foot, so that grade is from and leaves nothing to be desired excellent road gangs of men, also, putting in tile drains There are places on both sides of the road. This work per mile. About three and a host about $\$ 500$ road has thus been constructed at aites of the draining, included, of about $\$ 3,500$ per mile. The County Council have decided that it is costing from 10 feet to 8 feet, and from 9 the roadbed part of the work which has, not been rolled is not nearly as satisfiactory a road. It has been combe hauled a shore the crushed stone has only to or from $\$ 1,200$ to $\$ 1.500$ the road can be built ong hauls the cost mounts up very fast on the the question may naturally be asked he road last long ?" Of course, this remains to be seen, but, with reasonable care, we think all probability the road-grader will have to to In ised in the spring, after the frost has gone out to smooth it off, to be followed by the steam,
road-roller. In many of the wedtest road-roller. In many of the wettest places the
drains will not have the ground thoroughly out until they have had two or three seasons to run, but they certainly will help very much to
maintain the road. How is the road.
estimated cost of the to be paid for? The total this, the Provincial $\mathbf{G}$ (Governiment $\$ 354,000$. O $\$ 118,000$, leaving $\$ 236,000$ to be provided for by County. This is to be raised in five year at the rate of $\$ 50,000$ for each of the first your bentures are to be for 30 years, to be
will likely will likely be sold payment for each payment for each
debenture will be about $\$ 3,252$, on
total assessmen total assessment in the County of \$28,
000,000 . Therefore the taxes to th average 100 - acre
farm will not be over 64 cents ; or,
say, for the five say, for the five
years, there would
not be over $\$ 3.20$ hot be over $\$ 3.20$
per year added to per year added to
every 100 -acre farm er's taxes, and then, in seven years the County Buildings and House of Refuge
 ief. A quite a reaid that money is ure much like manless it is no use When the first settlers came in and cleared the country, they were glad to get up a log
house and to build a corduroy road, but those days are past and gone, and now we have fine brick days are past and gone, and now we have fine brick and
stone houses, and why should we not have roads as well ? Some are saying these roads are
oosting too much. Well, we canne oosting too much. Well, we cannot get a good thing without paying for it, and, as we have tried The roads were so bad here last spring that we believe, next spring, when the farmers ride over his county road, they will say it is worth a dollar a trip, in place of travelling over the road valuable machinety, and if it were to be thrown aside, it would rust out nearly as fast as it will
vear out. By all means, let us keep it Of course, we cannot get all the details of the work managed to suit each ratepayer. There is no one perfect, and mistakes will creep in. But we believe, with the experience gained this sea-
son, better work will be done another season. The management is in good practical hands, and the county roads will be used by nearly every ratepayer in the County more or less. The next step will be to improve the roads leading to these finished County roads, and one
great step will be to abolish statute labor and have all the cost of maintenance of township
roads raised by taxation, as in many instances roads raised by taxation, as in many instances
the statute labor is a mere farce.
Daturan mere farc
Under the present conditions
farm practice, one of the most prominent defects in the management appears to be a lack of atten-
tion to thorough drainage as a means of dimin ishing the cost of production and insuring uni formly remunerative returns by increasing the fertility of the soil and avoiding losseas from the
favorable seasons

## THE DAIRY

## HIGH PRICES OF feed induce thrift.

 Editor "The Farmer's AdvocateThe probabilities are that fewer cows will be milked this winter. The reason will be that hay and oats will command a high price in cash. Hay straw that can be used to good advantage oat help out the roughage part of the ration, and there has been quite a lot of later oats cut green and cured for fodder. There is plenty of feed on the Island to carry through all the stock, but the question is, Will farmers feed grain enough, at 50 cents a bushel, to produce milk in paying quantities through the winter? Some will, but only the most skillful and economical will be able to get a profit, even with butter at about 30 cents per pound.
Instead of feeding all our milking stock through the winter on high-priced foods, it will prepare them for the the poorest producers and keep our Economy in feeding can be practiced by mixing the hay and straw together running them through a cutter, if possible. The best economy in feed ing is to feed a full ration, suited to the product you are after, whether beef or butter Stinginess is always false economy in feeding stock.
As we are dairying, many of us to stay, we must keep the best producers in our herds, at all
cost: and, as we have a full crop of oats and a fair crop of roots, some hay, and abundance of straw for roughage, our best plan is to feed a lot of our oats to our best milkers to balance $u_{1}$
the ration and keep them producing at a profit the ration and keep them producing at a proft
during the winter months. We can afford to feed a arge part of our oat crop, as the part o
it that we sell will bring nearly double per bushe that it often does. Bran is out of the question here on account of its cost. When feed is scarce, or high in price, we are apt to spend more
thought on how to feed carefully and economically, and, by so doing, we may be able to get more profit at less cost than when feed is so plentiful as to make us a little careless and a little less
skillful in using it.
WALTER SIMPSON. skilliful in using it.
Queen's Co., P. E. I.

SELL GRAIN AND BUY COTTON-SEED OR OIL CAKE.
wditer .. The Farme.
I would say that there will be plenty of feed for winter keep of dairy cows in this vicinity, but, owing to the high prices of grains, there will not
be many cows milked here this season. I would be many cows milked here this season. I would
recommend selling oats and buying bran and some recommend selling oats and buying bran and some
cotton-seed meal or oil meal. Our usual plan of feeding would be rather expensive this year, at present prices of grains. For the profitable production of winter milk, our plan of feeding has boen straw or hay in morning, roots or ensilage again, and at night all the hay they will eat without waste. Our meal ration consists of oats and peas with bran-3 parts oats, 3 parts bran, always fed on the ensilage and roots. We intent selling oats and buying cotton-seed meal or oi
Northumberland Co., Ont. GEORGE CARLAW.

## DISTRICT MEETINGS IN WESTERN ONTARIO

Association for the district meetings to be held Western orlatio as forows
Watford-Music Hall, November 12th
Listowel-McDonald Hall, November 19th
Simco--Council Chamber, November 21st
Woodstock-Council Chamber, November 22nd
Tillsonburg-Council Chamber, November
Dorchester-Town Hall, Novemher 28th
St. Mary's-Council Chamber, December
Guelph-Creaniery Mceting, Dairy School,
C. . December 12 th

The discussion will not necessarily he confined
the subiects mentioned on the programme. It to the subiects mentioned on the programme. It
is expected that the Director of the Dairymen': is expected that the Director of the Dairymen's
Assoriation. who may represer.t the different disAssortaton. who may represer.t the different dis-
victs, will be present and ocup, the chair. The
Chien Iairy Instructor for Western Ontario. Mr. Chiel Wairy Instructor for Western Ontario, Mr.
Frank Herns. will attend all these meetings.

KEEP THE GOOD COWS MILKING WELL

TEMPERATURES RISING.

Your questions in regard to the shortage
feed and how to feed, are rather hard ones solve. Many people are selling oft their old and poor cows, which is a good plan, as many cows others are selling young do not pay their way; poses that should be cows disposed of. heifers which People should exercise areat care in raising yons stock, whether it be for mill or lecf Thi wid tend to reduce the number of cows to bilked another season, but in most cases there are too many cows poorly kept. If fewer cows were kept and handled better, greater returns would be the I believe in economy in feeding at all times It is possible to overfeed, and thus waste a por tion of the food, as well as doing the animal harm ; but, on the other hand, it is not wise to let a dairy cow go down in flesh, as it takes more quired bring her back again than would be quired to maintain her in good condition. the animal in a good healthy and thrifty condi tion. I have a very heavy stock this season but, as far as possible, I shall endeavor to carry out my usual plan of feeding, if I do have to buy
a little extra feed. For, profitable production of winter milk, I do not think it pays to try to keen a cow milking that has been milking heavily all summer, but to have some freshen in the early winter, and feed them liberally so they do
down in their milk before going to grass

I'rofessor H. H. Dean's admission, sue of the 31 st ultimo, that he " may have ar ful of fog " on the transportation question, "I "Fog" is certainly a poor substitute for letter. matter," and in future, when the Professor gray off at half-cock and makes one of his customary "breaks," we will have to be charitable and blame it on the "fog," which is probably a mild The reference in Weddel's reviow to
fion facilities applied to Canada generally rigera- ( in his comments, Prof. Dean used the following language: "We should like to know where the ton in fourtecn days. One month would nearer the time required to land butter in don, Eng." These were the statements to which
I took exception, and one would expect the Pro I took exception, and one would expect the Pr
fessor either to defend them or else admit written them without consideration. He had neither, however, but in his last effusion charac the istically dodges the point by saying he meant the time required to " market ". butter in Ion creamery in Western Ontario, and the dates the "account sales" received from I ondon. Could anything he more childish! He doesn't say if the butter was shipred to make close con-
nection with the steamer at Montreal, or wos stored there for a few days. or how long the whis ment was held in Lourdon hefore it was finally disposed of I can go the Professor one hetter, and ell him of account sales from. London dated three months after the butter left the creamery in Canada, but the shipment "as stored on arrival
in London to await a more favoralle market. So
much for the Profescor's


Post Orbit.
Tersey cow. Winner of gold medal for
This is my plan of feeding in winter: In th cows, then the roots and meal are led, aiter which them. At noon we give a feed of cut corn beiore have no silo), a little bran, and a pinch of salt again, when the roots and or half-past, we milt lowed by straw or chaff. This diet is continuel until about the first of March, when hay is fed in the place of straw. The meal consists usually o supplement this, some bran is added tocessary to with something stronger, such as low-grade flour which brings the mixture up to about the same Weight as the straight mixture of barley and oats apiece twice a day. I find that even yet my coums
are not fed to their full capacity give a greater return when freshening in in the
months of December. $J$ onuary If well fed, will give nearly as much milk during the summer as those which freshen in Aprilk oring May.

## Jowner in butuer test, Jorrsev

The "fog ", must
have been particu-
larly dense when larly dense when
he wrote his comments about the re-
irigerator-car servlearn from his last
lem letter that his
sweeping condemna sweeping condemnain Canada was besed on the examination " assed tiruugh ruelph on $n$ 20th. about liteen cars are operated
during the during the season
$m$ the covernment service avone, be
sides probably many more inde- mably as
mendent cars mat
the doughty and
Which he examined $"$ Wh his little ther-
mometer, at the Wras in tempera-
liary in little records, bearly a year we have has wery hemping milk
me woarly prowen itsolf to of milk in 31 days, under has naten 1 gace pound
 3.7 pers cent age has, a nd is still milkmg this mail
clary. When his little the test, the car. doors, he says, "were wide open
sun shining directly in the car, and temperature 82 degrees." ," and becand the outside temperature of about 74 degrees in this he found a claim that we have good refrigeration that the is largely fiction." I wonder if the Professor's experiments at the 0. A. W. C. are conducted in the same loose way, and if his conclusions are similarIn conclusion, I wish to say that the Dairy \& never has claimed that our iced-car service and deticiencis perfect. We know that there are many to yoar to overcome them. We best from year intelligent criticisme and in our publications have that we may to notify us of any complaints, so Wanins. If Prof. Dean was satisfied that thead comsumficimently iced, why did he notled, and was ind ind
$\qquad$ Instead, he kept Mumen that Pron. IDean would be better huther anll at makers that would help信 - 1 .
canadian cheese in britain in Manchester for the following report: "We are pleased to state that the improvement in Canadian cheese this
year has been well maintained and diffrculties that we had to contend with last year, has been noticentlp hy its absence this year. The goods have come forward not only in good condition,
but the averaging of the same has effected.
" We are now nearing the close of one of the most J. exceptional seasons we have had. The make opened up at the early part of the season very late, and wo
are going to close the smanon with n great shortage of cheese on that of last your. Our home make has been
exceptionally large, which has filled up the shortage in Canadianns, and all thich has filled up the shortage in
and the season domestic has
('enataced on our market within a few shillings of Janadian prices. thus causing a good healthy home de-
Cand It is only within the tast mand It is only within the last two weeks that there
has been any noticeable falling off in the make. This
week there is a great shortage and it week there is a great shortage, and it has dropped off
fully 30 per cent. of what it was a month ago. view, The Canadian season, from a financial point of
disappointing, owing to the great speculation of a few who have tried to corner the market,
and have evidently realized their tent. The result of this has caused prices to ad-
vance very rapidly during the last two or three weeks What the future result of this manipulation will be wo
cannot say, but certainly it is not conducive to healthy tone of trade from our point of view. There
is every prospect of a huge make from New Tealain and Australia; we ourselves having in sight our first
consignment, winich is quite a month earlier than usual. nadian trade, and if only this system of manipulatio could be kept nut of your market we should have a
much healthier tone, and one that would be beneficial
to every one on looth sidec - Canadian Commercial Ament

## WEED AND FEED

In view of the food supplies a vailable for dairy cows in this locality, and their value, fewer cow
will be milked this season than ing the enhanced prices of milk and dairy proding out the inferior cows, selling or slaughtering them, as they will not pay for wintering with ha winter milk, our plan of feeding is to feed all wo can make the cows aat of the best food we have
or can purchase. We have 150 tons of clover or can purcha
silage in stoch

## GARDEN

AVOID USING READY-MIXED PAINTS ON FRUIT TREES
In reply to a letter of inquiry as to his past
winter's experience in protecting fruit trees from mice, W. T. Macoun, Horticulturist, Central Ex cerimental Farn, Ottawa, writes that he has no tion of Fruit Tress, read before the Ontaric
Fruit-growers' Association last winter and Fruit-growers' Association last winter, and prac
tically no additional information to offer ". We have not found any injury from the use of paint, so far," he says, "and the mice
have not been bad enough the last two or three have not been bad enough the last two or three
winters to say definitely whether it is effectual or winters to say definitely whether it is effectual or
not, but no tree with paint has been injured by mice. Considering the good satisfaction obtained
irom the use of building paper, I hesitate to recommend paint, as an instance has come under ny notice where paint caused serious injury in an
orchard when used for borers. Ordinary white lead and linseed oil appear to be quite harmless, but when boughten paints are used, made, per-
haps, with mineral oils, injury may occur, which haps, with mineral oils, injury may occur, which
was the case in the instance referred to; hence, if paint is suggested as a preventive, caution should
be impressed on fruit-growers against using e impressed
oughten paints.
"Prof. Sears method of wrapping with paper is good. We prefer leaving the paper as loose as
possible, providing it is well tied. in order to afford an air-space between the paper and the tree. However, it cannot be left very loose. The main
objection to Prof. Sears' plan is that it takes more paper and is not quite so easily put on. We mizes it very much.
": I am glad to know that you are dealing with th:s subiect in ""The Farmer's Advocate," as injurw from mice in orchards just coming into bear-
ing brings great discouragement, and has been one of the chief if not the greatest reason for reducing the amount of planting done in Faster and Cen-
tral Ontario, and the Province of Quebece."

HORTICULTURAL PROGRESS

## 'rypanal for "The Farmer's Advocate" by W.

Annual Report of the Quebec Fomological Society for 1906 :
The (quebec P
ciety of the Province of Quebec, is the Provinciaand receives a Association for Quebec Province, ment to aid it in its work. The report for 1906 Which was recently received, shows a membership
of only 106 persons. This is too great a Province as Quebec, where fruit has been
groul grown as long or longer than in any other part
of Canada. It would seem that a determined fort should be made to increase the membership the progress of horticulture in so much towards nual report contains 152 pages. in which anprinted many valuable papers which were given at the summer meeting of the Society in 1906, at meeting at Knowlton. These papers include. Reached After Fimeuse Apple, "N "C Conclusions Large Fruits at the Central Experimental Farm, prove our Old Orchards," "The Preparation ImHouse Plants for Winter ". "The Preservation of Fruits for Home Use," ". Composition of Soils
and Location of Orchards," " Selecting Trees for


The Dairymaid.
a Cold Climate," "Growing Grapes for Home ments in Eastern Quebec,", "The Manufacture o Maple Syrup, and Sugar in Canada in the Past and Present," "Some Methods of Marketing the New England Apple Crop," "G Garden and Orchard Insects in Quebec Province in 1906," " Some Les-
sons in Orcharding from the Field of Practical Experience,'
There is much useful information especially applicable to the Province of Quebec in these papers, fruit-grower there. The annual membership fee is $\$ 1.00$, which will insure getting the report and participating in a plant distribution in the
spring. Peter Reid, Chateauguay Basin, Que is spring. Peter Reid, Chateauguay Basin, Que., is
the Secretary of the Association, and is eager to get members. The Association last winter prepared a list of
varieties of apples recommended for different parts varieties of apples recommended for different parts
of the Province of Quebec, which is printed in the report. Province of Quebec, which is printed in the From Three Rivers and Sorel, west and south berry. Duch hies. Yellow Transparent, Low'and Rasp-

Autumn.-Lang. Althy, Alexande
Early Winter.

Lawrence Early Winter. - Fameuse, McIntosh, Wolf River.
Winter.-Canada Red. Scott's. Winter Russet, Baxter, Milwaukee. east and south Rivers to L'Islet, both included Surímer.-Yellow Transparent, Lowland Rasp-Auturrn.-Peach of Montreal, St. Lawrence
Aus. Wealthy, Alexander. Winter-Scott's Winter, Canada Baldwin, Mil waukee, Baxter.
From the extnerne north, Kamouraska and Charlevoix, east and north Summer and Early Autumn.-Yellow Transpar Autumn and Winter.-Wealthy, Patten's Green ing, Hirernal. I onyfidld. Crab Apples.-Whitney, Martha, Transcendent

POULTRY.
STARTING A FLOCK.
Those who are wanting to begin raising fowls, and to year after year, the best advice is to begho righashion year after vear, the best advice is to begin, right. Get
a good start, and half the battle is over. If you are new at the business, read and study all the things you can about poultry, and that
will do no harm, if you ait will do no harm , it you are, tired of unbusinesslike methodes
and want to make money, The,
old saying, "Me sure you're old saying., ". Be sure yourtre
right, and then go ahead," is $\begin{aligned} & \text { peculiarly fitted to this busi- } \\ & \text { ness. }\end{aligned}$ A good start means everything
cees later. ceess late vetting a right start enter into first place, too much money hould not be spent ; in the second, you must be sure you have time and patience for the Work; and third, you must
study conditions. It is foolish and useless to introduce a few
pure-bred chickens into pure-bred chickens into a nongrel lock and expect them
to be the leaven that will leaven the whole lump. Many
have tried this plan, have tried this plan, and havy
failed miserably. Neither is it ailed miserably. Neither is it
ndvisable to put pure-bred, or advisable to put pure-bred, or
any oother kind of fowls, into a filthy house, thinking you will house them there for a
short time, and clean up later on. Put off buying your Clean up the promisees thoroughly, and plow under every
bit of soil fouled by chickens that have belonged to you or anyone else before starting.
Get your yards and coops into got your yards and coops into
goo conition, and then go $\begin{array}{cc}\text { Save money on on } & \text { every- } \\ \text { thing but }\end{array}$ our coops out of old boards, corn fodder; make coops for little chicks $\begin{aligned} & \text { out of } \\ & \text { ous store } \\ & \text { boxes ; nest boxes out of cheap }\end{aligned}$ oxes; use old dishes for drimk ing vessels, and in every way
conomize so as to keap penses down. Chiskens do just as well in a cheap coop as an ex-
pensive one, provided it is dry and warm. Even a framew ork of poles banked with fodder or straw to be burned the following spring has been
known to keep chickens safe and warm all winter and nown to keep chickens safe and warm all winter, and
one successful chicken-raiser always uses the family supply of fire wood, raked up into walls and covered With straw for her fowls. In this way she has a new coop every fall, and thinks the chickens do better. On
course, she has a permanent house too, but she likes "wood house" for the winter season. but likes It is poor economy to starve the chickens under the mpression that you are economical. Better feed them hungry, peeping fowls at your heels whenever you set your feet outdoors. A hen will lay just as fine eggs in an old water-pail filled with straw as in a patent nest box; but she must have her crop well filled with
seasonable food to make her worth anything as a layer or for the table. If wheat is very cheap in your locality, do not discard it for expensive corn, hut manage to give the fowls plenty of good food, and use a variety. Milk, alfalfa, corn, table scraps, fresh meat other things will keep the chicks in good condition.
Don't waste money buying a lot of medicines in the art. Just remember that lice and filth are the bot-
both. An occasional dose of some sort of poultry
food (and there are many good kinds) will do much
toward keping off diseases, but cleanliness and care
will do more than all the modicines in the world. The
best way to doctor most sick chickens is to cut off When it and bury them deep in the earth your mind which is the best breed for your peculia onditions, and then buy of a reliable dealer. If you ant an all-around hen select that type; if you live in
town, where the range is limited, get some of the big lazy fowls that do not care to wander, and if there are marked peculiarities in the preferences of the people you ypect to be your patrons, keep them in mind when consulting all tastes, it would be equally foolish to touy a variety for which there is no demand in your neigh borhood. Begin modestly in everything but the grade of the fowls, and work to the top of the ladder. In
this way your chicken business will be both plensant and profitable.- [Farm Poultry.

## CEDAR-LOG POULTRY HOUSE

## Editor The

We keep from 56 to 75 Plymouth Rock fow
over winter, and raise from 50 to ing the summer Our pouttr 100 chicks dur feet, built with hewed cedar logs, and divided int three compartments, a sleeping and a scratching oom and one for the sitting hens, the latter als fowls. The floor is plank. The roof is surplus cose, and the shingles laid in mortar. We have all the light possible from the south. A ventila or about 8 inches square inside runs from foor well. ast, I believe one constructed with material such as described would make an ideal poultry house i position that it is impossible to is in such light from the south. Build 12 ft . wide, 5 ft . high, and long enough to hold what poultry you intend feet high. put a row of wind and west. When five on top of the last log. Put supports south side on top of window frames, then put on plate and lay rafters from plate down to the opposite wall, double board, with have a dry, warm enough poultry house Divid to meet requirements. Jough pouttry house. Divi,

APIARY

## INTERNATIONAL BEEKEEPERS MEET

An organization now consisting of 2,500 members, and embracing the entire North American
Continent, met in the Capitol Buildings, Harrisburg, Pa., on October 30 th and 31 st.
President L. A. Aspinwall. Jackson cupied the chair. The president, in his opening its relationship to other branches of ae conside and the various branches with which it wals in volved, was the greatest of agricultural subjects. good general education, and know the only hare of the bee, but he should be a botanist and ento mologist to a certain extent. He had himsei standard works theth had see. hural as the most beautiful science in the wh g. A. R. Martin, Iirector of Institutes, nfluential Association meeting in tenngyl and would bring information of value to the state. He ther branches value of bees and beekeeping to selfish motives, those interested in the from ment of agriculture would. and he would be
pleased, by Institute speakers and demonstrator to help the industry. They had some eight instruct most evcry district these speakers were and in alfor, as farmers were a wakening to the importance Prof. H. A. Surface, Tenn. State Entomologist "Aees and Horticulture " touching upon not onls the value of bees in the fertilization of blossoms but the impression held by some that bees were injurious to farmers and horticulturists. He had
leen unable to find even the clondonst for such a charge. Nature dees net foundation but there is a mighty adaptation in defeat itself, when studied. compelled us to recognize a Supreme State Fintomologists did, spraying at any time of action would be likely to be highly in uri Mr. N. F. Firance. Wisconsin, who was pursent
extensive fruit-grower, and had been president of the shortest chamber. The feeding should Wisconsin State leekial Society, has come to the made of two parts, by weight, of sugar should bic fered free room in his orchards for bees, and of had Another a free house.
Another member gave an instance where a fruitcolonies of bees for each of his orchands equip ten a beekeeper, not too far away, to look after them, he entire proceeds from the bees for his labor

> PLURALITY OF QUEENS

The method of having more than one laving ated in Ahic, a method which had been advohas received added attention or more years ago, of Alexander, of New York State the writing it prevented brod produced faster, and some thought all the testimony all the testimony offered, it appears that the method of introducing a plurality of queens was
to throw the colony into an abnormal condition such as removing all combs and brood and honey after letting the bees fill themselves with honey then introduce the number desired. Others said chamber into compartments separated by queed excluding zinc, introducing a queen to each com partment, and, after introduction, put the queens together in one of the compartments, introducing ber desired was reached. The testimony offered
as to the prevention ond as to the prevention of swarming was not very the close of the season, all that quite often, at peared or the colony broke into clusters disapqueen for a rallying point. This question has deeply stirred the apicultural pulse, and developCROW will be watched with intere CROWDING THE $\underset{\substack{\text { BROOD } \\ \text { HONEY }}}{\text { CHAlHBER WITH }}$ Mr. Alexander also advocated keeping ing the breeding season, and feeding honey dur oney.
Mr. estimation, it was a much more that, in his and one which would mich more practical it ins. plurality of queens, to see that the as a chamber of the hive was not clogged with hoonev true of some strains of Italian was partionlarly true of some strains of Italian bees that they
crowded honey about the brood-chamber crowded honey about the brood-chamber during a
good honey flow. In this way, the cells in which
brood could the rearad were reduced in brood could be reared were reduced in number
sulting in lese men will beate the found. as it was with and sulting in less bees for the honey flow, and a pro-
portionately smaller crop of houe. portionately smaller crop of honey. In his esti- Phillips. (iovernment Apiarist. Washington Prossor
mation, it was also essential supers should be used It was astonishing houl al conditions should honey be riperad exception-
much less honey would be the chamber with two extractiner in a broordone. Th's, and the use of Carniolan than with
apiary. was a more practical the
 get credit for the power to las "ggs. providing was whown the the kind of Washington, scarcers
other conditions were right. Mr. N. F. Cleaver. Temn. Stat, gave a careful homevise He pointeol out that honere should mot
 Cleaver found it paid better to produce hones that necessars and as evidence of his doe kept a moment fonger queens for sale, but is discontinuing has rame
In using full sheets of foundation
we prevent
drones may be raised in worker-comb, foundationShatare sonihetimes stretched. Combl) founs: thationthis prevents sagging from the weight and herong. legiming, olservation. peeliterature and small the bees. The foundation should le wired, and chan is the general nearer the top of the frame next pace of meding. The Association is really Splints inserted at the top of the foundation was ells, the bees will cut down the cell wall and coll
large cells to the size of drome Aredrones raised in worker cells grood to ferti-
lize queens? Dr. Miller, Marengo, Ill--Yes, but such are
not desirable. If I mix sugar and water, equal parts, how
much of this mixture is nceded to pot 10 Mr. N. F.. Frances. Platterille. Wis.-The proof water. A recent experience. given to me hy a ing over a hive with the Mascon bar. omly, 2 pounds make 10f, $71-7$ pounds of sugar heming useed of would take 8 or more pombs of sumare tor secure a
gain of 10 pounds for wintere stomes
Mr. R. F. Holtermann. Mromitiond
$\qquad$


EMBE
THE FARMER'S ADVOCATE

THE FARM BULLETIN
A MARE FOSTER-MOTHER
ann of foster mothership during the past season on the he mare had lost her foal through joint-ill, and Ont. dvances were made by the mare, and with The first "tsistance the calf soon learned to extract the a lequittie
It
 The patient bormy of the scently snows, rose,
Ort with the morns hoar crystal quaintly glassed.
Hangs, a pale inourner for the sumper 3

 9 But this is not a month to be poetical. 'tis a tim
when the farmer mums much to don ketting roudy vory practicall, as the there tim cold rain comes ins drifter for immediate use, in cass
Covember unow us. or prerhacs protected from the inclement weather, or thered and
vig drop in the milk nlow., as there wns diference that a short time ago, but there is thi all, while in the drop in the milocks many low only the farmer
loses directly. Possibly be the other fellow, but whether he can or anore than be careful in housing the stock this month, and. leed himg his investment than many of the stocks noated recent-
1y. Then there may be a few touches to ditches water urrows, fields to finish plow ing foches tox ditches, water
oots to get in, and if all the harvent sost scrop. not under cover tis a good time to to get themments are Te.tore snow liies.
In notice est this section, our farmers are well up in
most of these thinge



 closes. Scarcity of labor done yet yefore the season
ditching tore: had we more ditching toot had we more labor, more of both would
le odone, which would be an anvantage, as fall plowing
and drainake are very essential to
 able difificulty was experienced in harvesting the corn
crop and filliny the sill
 worked, and the corn hauled. On the whole, where
Orn crop for silage would average n thetle at threc-uarters crop., Muny siverage a little more than
 th thirty per cent a number have sold of most of
their stock and feed by auction, realizing kood prices Tor hay, averaging athout 818 per ton in the barn
and oats have sold us ligh as 69 cents for 40 ibs
keee has been low

 milk for the condensary ennanged city the trade production of to to
ing in as many fresh cows ans tormerly
 teeds. Most dairmen have to buy larghel of of gluten
nical, oil cake, bran, etce, as the grain crop is not anning out as was expected. The one crop, while no
large one, that has given good returns was the whea crop. Many fine samples have beens brousthe to to the
mill here. Alarge percentage of it would grade No.
 Few younk pips have been raised this fall, which, it think, is a mistake, as there will he few hogs to mar-
ket next spring, when, ho doult, high prices will pre-
 fortunately, owing to the hifh prices of mill feeds, many hogs went to the market unfinished; and in the
reports of the Montreal markets, we noticed the comreports of the Montreal markets, we noticed the com-
plaint of too many lights. A number of the cheseseries and creameries are
closed, "us nearly all the milk is being taken by the condensary and sent to the city. With butter soaring
to over suce. per 11., farmers are geatting good returns.


A Wet Nurse.

SYSTEMATIZING THE CANADA MEAT AND CAN NED-FOODS INSPECTION.
and extension of the being made in the establishment and extension of the new meat-inspection system in
Canad, initiated in September last. The staff
Canadian Ing Government packing speciully trained at Chicago, where Government packing-house inspection has been highly
developed, have been assigned the various hack deveped have been assigned the various packingfurther step. Dr. R. Barnes, who for a time had over-
sight of the sight of the Toronto establishments, has been desig-
nated by the Veterinary Director-Corer nated by the Veterinary Director-G.General and Live-
stock Commissioner, Dr. Rutherford, as travelling an. in for the Dominion, with headquarters at Otta-


Dr. R. Barnes, V. Stern

Mr. Barnes, who for some years was a partner in the
well-known veterinary firm of Tennant \& Barnes, Lonfessional man. Not content with getting his diploma and then settling down into a rut, he continued his studies in pathological and other directions, ever on and solicitous for the advancement of the his work, and solicitous for the advancement of the best in-
terests of the profession. His natural bent as an investigator, early directed his attention to the invitable introduction of the inspection system in Canada, and marked him for advancement in the new
eervice, which we trust will make the Canadian sysem second to none, and commend our products to Weign buyers.
We notice that L.ord Strathcona, High Commissioner or Canada, with his accustomed energy in promoting
anadian interests, recently addressed a letter to in- "Tis too early to say what the factories have averaged Canadian interests, recently addressed a letter to in-
per cowt. of milk for the sirason, but we hope to be fluential organs of pullic oppinion in Fngland like the
ishle to give this in our nost.
w. F. S.
safeguaras which the application of the now Act by public of (ireat Britainent will alford the consuming synopsis of the Act, the full text of which may be con
sulted at his taken before the in order to show the rigid care lamped upon the food products. "anada Approved "are

THE FRUIT SHIPPERS AND THE RAILWAYS.
The proverbial "hot time " was not lacking during
the session of the Dominion Railway Commission. which met, November 5th, in the City Commission, Killam and Hon, Mr Commission, Prof. Mills, Judge Robert James Graham, of Beileville, who had the Mr. or a considerable time during the session, made out dictment agood case for the fruit shippers in their indictment against the railway companies. Great diff-
culty has been experienced, any kind to carry the fruit, and when they were obained, it was almost impossible to keep them at a of repair in many of dhem and ventilators being out dequate. Difficulty has also the supply of ice ining a car held over when necessary to examine the shipments for the purpose of taking out damaged truit. overs, it has been found necessary to send shipments. by very roundabout ways. He himsal had been com.
pelled to send fruit for Winnipeg via Chicago and while trying to get it through to St . John by the Grand' Trunk, had been advised to send it by way of
Portland. The chief grievance, however, was the failure of the railway companies to rush through cars, often urgently needed, for shipment. The delay often amounted to
days and weeks, and the companies were not held sponsible for the losses occasioned, although they took are that after the arrival of the cars, often without of even one hour over the two should pay for delay ing. Mr. Graham's own firm had, at areat load provided apple-sforage houses at St. John, N. B., but
now he now he could not get cars, although he had been wait-

$$
\begin{aligned}
& \text { Graham \& Co., Belleville, subsequently handed in a } \\
& \text { statement, in writing, to the effect that they had over }
\end{aligned}
$$

Graham \& 16,000 , in writing, to the effect that they had over cars to handle apples a waiting shipment, with no acilities were not speediny provided
cultural S. F. Bunting, President of the Ontario Hortisome easy and rapid means of recovering from the raillways damages for loss of fruit, and that the railway was wasted throunh held responsible for such fruit as Mr. E. D. Smith, M. P., of Winona, called atten-
ion to the fact that by a circular issued by the railtion to the fact that by a circular issued by the raii-
ways, no fruit can be shipped partly by rail and partly , roviso the points west of Port Arthur. There is a proviso that one man may go with each car to look
arter it; but when a firm gent sixty or seventy cars
through, the wages of the sixty through, the wages of the sixty or seventy men re-
quired proved a very costly item. He thought a fastquired proved a very costly item. He thought a last-
freight service to Winnipeg for perishable goods should In answer to an enquiry from Prof. Mills, , Mr. teadily worse. The Grand Trik had have grown his summer, but the Canadian Pacific had been very

## MILLERS DISCRIMINATED AGAINST

ay Commission, has issued a statement to the above effect, thus dissenting from the decision of the two where a complaint was received from the Dominion Millers' Association in relation to shipments of wheat ordered from the eldatar in $O$ wen Sound.
The shippers, Dr. Mills holds reated and discriminated against, not deliberately or intentionally, but because of the failure of the company to provide such freight-shed accommodation and eep its box cars in such a state of repair as would of its cars, and ship wheat from its elevator with as much promptness as it shipped filur from its freight shed." Delays covered periods of a month to six
weeks, causing mills to be shut down and flour kept weeks, causing mill
off the market.

## FORTHCOMING SHOWS

Nov. 30th to Dec. 7th, Internatiunal, Chicago. va Heation, Martime Whter Fair, Amhers Dec. 9th to 13th, Ontario Winter Fair, Guelph. Jan. Bth to 11th, Eastern Ontario Fat-stock and Feb. 12th to 14th, Ontario Horse-breeders' Show Nov. 12th to 16 th, Ontario Horticultural Show. [Note.-During the above week, meetings will be Beekeepers' and the Fruit-growers', Vegetablo-grow Beekeepers and the Horticultural Associations.]
May 4th to 9th. Canadian National Horse

## SCALLION ONIONS

Shance of scallions, or thick-neck the Ontario representative of the Seed Branch. Raynor smart Bros. are an extensive firm of market gardeners for the Northern trade who grow vegetables and truck der crop, of which seven accres this year were onions. In purchasing their onion seed this spring, they passed deal, and secured some seven pounds accustomed to prominent Toronto $\begin{gathered}\text { Touse seven pounds from a certain } \\ \text { prices than }\end{gathered}$ which quoted much lower prices than other frms.. One ncre, however, was seeded
with seed from the old frm With sed from the old frm, and the other six acres
(in two plots of five acres and one
 about nincty-seven per cent. of the Strange to say,
scallion onter produced
onions, while the scallion onions, while the acre sown with produced
firm's seed produced only about the the other scallions. A neighbor, who borrowed the garden. of drill with which the seighor, who borrowed the garden drill
ent seed was sown, had a similar experience, as all the land he sowed with the seed re-
maining in mecks, while the remaind producod nearly all thicknecks, while the remainder of his patch was practically
free of them. Other growers in the district had no trouble with scallions tris spors in the district had no
Bros.". Wion and, as the Smart Bros, onion patch was on underdrained, sandy Smart,
the conclusion is irresistible that the the Cocronsion is irresistible that the seed secured from
house was responsible for the extraor nary proportion of thick-necks on the six acres
it where that of the five-acre blockection, it it inver ofere interest to note top-drossed two years ago with pig manure had been rate of 200 ooo years ago with pig manure, at the
and a half acrese pere, while the remaining two and a half acres received only seventy-five oond two
acre, though this was supplemented by an adititional
dres acre, though this was supplemented by an additional
dressing of twenty-five looads per acre this year.
On years in succession, and here the crop was onot noan so good an on the other part, but about the same
proportion of scallions occurred. It is believed that
the sed wis.
 the seed was produced by plants that had not been
properly seleted.
ing the instance is som valuable, as show-

## RURAL SCHOOL TEACHING

 ceaching by giving then opportunities for observation
in rural
ungraded schools

[^0]
## the western farmers' seed grain.

## The Seed Branch of the Dominion Departm

 Agriculture is making a quiet investigation of tho1907 grain crop in the West, ns regards the vitalit the seed grain for next spring's sowing, and expeect by December to be in a position to make a statement as to its value for this purpose. Reports already to
hand, from reliable correspondents, indicate that while some eections of Alberta and Saskatchewan have had their wheat and oats pretty badly frosted, still, generally speaking, Seed Commissioner Geo. H. Clark be
lieves they will have enough seed wheat all over these ieves they will have enough seed wheat all over these
wo Provinces to meet the reauirements if the sumplies are secured before all the good wheat is shipped out of the country. Enterprising merchants and farmers in
the worst-affected districts will do well to make early he worst-affocted districts will do well to make early
effort in this direction. Some districts of the weat effort in this direction. Some districts of the West
have practically escaped injury to the wheat by frost Wheat that grades No. 3 Northern, or better, as much
of it is doing, is not seriously of it is doing, is not seriously trosted; and farmers in
districts where tho wheat grades should have wood wheat and oats for seed. It will ho well, however, for weery farmer to test his wheat, and, especially, his oats for germination before he sows a
pound noxt spripg; and if the germination is only
 per acre to make up. When the germination is as
low as 50 per cent. 1ow as 50 per cont., it would be well to secure seed
from an outside lrom an outside source, but for the danger of intro-
ducing new weeds.
Chiefly for this reason it vised in new weeds. Chiefy for this reason, it is adenough more pounds per acre to allow for the defective

## WESTERN FAIR SURPLUS

ing up theeting or business of Western Fair inectors, wind-
sho 1907 , the financial statement showed a surplus of $\$ 3,555,71$ on this year's exhibition
desp large amount in permanent improvements was spent.
and the fair starts out for anoter
 Smprovement were worked over, which the efflicient Among, A. A. Hunt, will lay before the new Board.
couragemente pron prosed will be greater en couragement to amateur fruit-growers.
The Ontario Government has decided to build,
hrough its Power Commission ior Niagara electrical power from Niagrara Falls Hamilton, with a loop thence tounching Guelph, Galt
Stratford, St. Mary's. Whoostock. Brantlord, and othe Stratord, St. Mary's, Woodstock. Branturd, and othe
toints. A special line will run from Homild Toronto. The cost of the lines will be assumed as
private emterprise, the Power Commission countins
 Work on the transmission lines will not be commenced
until the formal contracts for power have been voted upon and accepted by the several muncicipalities in

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$\underset{\text { Post Orbit }}{\text { Shearling }}$
teice,
${ }_{\text {Ar }} \mathrm{A}_{\mathrm{R}}$ Wot Nurse
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tish Eyes to Ma. Roads
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Joint ill ; materinary
ing ; ing; chronic
Sallandere stalks Sallanders ; abortion: aben stand
swollen sheath : Out West they tell this story about
the East, perhaps by way of retaliation the East, perhaps by way of retaliation
for some of the tall stories about the
West that they tell sown A young man just gradus Eastern institution of learning, went then the West and applied at a large ranch for
a job.
". What can you do ?." asked the own ". Nothing much; but I am willing to
Work, and can learn," replied the eager
applicant pplicant.
"/ Know how to ride a. horse ? "
" No, I never "No, I never tode on What Mal I'm afraid

## could ride Herding

Herding sheep,"
$y$ well without a her alon,
Young man,
"Young man, I'm afraid yo
how much about this business.
large ranch here large ranch here and some thousands
> ake a pretty poor show.,"
" Well, I Ill tell you; when I was at

Well, I'll tell you; when I was at

## institution. I believe I could do you



After a compuratively short illness, Jabel Robinson, After a compuratively short illness, Jabel Robinson,
a widely-known agriculturist of West Elgin, Ont., died
on Nov. 9th. The late Mr. Robinson came into on Nov. 9th. The late Mr. Robinson came into public
note largely through his identification with the
Dominion Grange, of which her Dominion Grange, of which he was a past president also representing West Elgin in the Dominion House o
Commons for 1900 to 1904, where he was distinguishe by his sturdy independence and advocacy of economy and fair play to the farmer. He was born at LindCanada in 1856. He was twice married, and is vived by three daughters and four sons: William manager of the Electric Light Company, Kakabeka
Falls Charles B., Dean of the Veterinary College,
Washingtor Washington, D. C.; W. Jesse D., Washington, D. C., and

THE UNITED STATES CORN CROP
Burean of Statisticting of the Department of Agriculture tinds that the reports of the correspondents and agents
of the Bureau on the production of corn in total yield of about 2,553,732,000 bushels, or average of 26.0 bushels per acre, as compared with ushels) as finally estimated in per acre ( $2,927,416,000$ 1905, and a ten-year average of 1906: 28.8 bushels in

WANT CANADIAN SHOW HORSES
Condon. Eng.. have decided to hold the Horse Show, the Olympia in June. A deputation is leaving for the and American exhibitors. $\begin{gathered}\text { One of the fentures of the }\end{gathered}$ nadian grains.

THE FEBRURARY LIVE-STOCK CONVENTION department), reference is made to the meeting of the National Live-stock Association, to be held in
Ottawa. The Executive Committee have fixed
the dates for the dates for Feb. 5th, fith and 7 th, next, and a com - - - -
fointed. Hayes, of Sheffington, Que., has been ap tory of the Seed Branch of the Dominion Department Mr. Hayes has been connected for
some time with the Seed Branch, at Ottawa, and holds
an associnte associate diploma of the Ontario Agricultural Cold ge. The work at Calgary consists chiefly of tests or germination. The general representative of the Seed Branch in the West is W. E. McKillican, of Glen-
$\qquad$
$\left\lvert\, \begin{aligned} & \text { What surprised at the young fellow's en- } \\ & \text { terprise in } \\ & \text { costed him. getting up so early, he ac- }\end{aligned}\right.$ costed him: getting up so early, he ac-
W Well, you're up and ready to go to
work are you? ". two oh my, yes ! I've been at work for Then the ranchman noted that the ten-
derfoot was dressed in working clothes, a derfoot was dressed in working clothes, a
sweater, and already looked rather flushed. "What have you been doing ? "
."Wriving those lambs into the corral."
.What lambs? I have no lambs. "Well not the lamb season." nd I tell you I had a time of it, too!:
The ranchman enderfoot to see what the story he told
 Ighty-five wild jackrabbits. right, young man, I think you'll
said the ranchman. The keenness of the Scotsman's grip on is seldom used as a text uponing News, base a few remarks, as was done in to aceedingly pawky manner by Mr. Guthrie hurch bazaar. This well-known bank

0
$\qquad$ Was taking place into where an enquiry thending the death by drowning of
han in the Mersey. The body had been

0
$\qquad$
witness at once emitted
Th." The question was wated, and than its purport seemed to

THE FARMER'S ADVOCATE.


MARKETS.
toronto. ToRoNTO.





middinings,
Hay
Hen



$\$ 16.50$ for No. 2, and 814 to $\$ 15.50$ tor
clover mixture, the range in the the lower
grades
being rather wide.
Salee are
perhaps, in some cases, a hitile ton, a
Hides.-Lamb skins have advanced Sc.,
and are in good demand. The demand
for beet hides is rather lighte Dealere
are paying 7c., 8c. and 9 o.c. Dealers
Montreal, for No. 8 , 2 and 1, reppective-






BUFFALO.
Cattle.-Dull and easier; unchanged,
Hogs.-Heavy and mited; 85.50
H5gs.-Heavy and mitsed; 85.60 to
to 85.10 ; roughs, 84.75 to 85.10 ;
to $85.10 ;$ roughs, 84.75 to 85.10 ; stag
88.75 to $\$ 4.25$; dairles, 85 to 85.25 .
Sheep and wamb.- Wethers and ewe
steady; otherb lower. Lambe, 85
steady; otherf lower. Lambs, 85 t
86.75; yearlings and wethers. 85.50 t
85.75 ,
86.75 y yearings and wethers, 85.50
$85.75 ;$ quen, mixed, $\$ 2.50$ to $\$ 5.50$
Cannda

## BRITISH CATTLE MARKET

London,-London cables are firmer at


The unconscious humors of country Jurnalism, says Willam Allan White aftorts of the alleged "funny man." According to Mr. White, there once ap"personal a Kansas paper the following "Our prominent towneman, Theodore Monkton, is seriously ill. He is being attended twice a day by Doctor Smith, in consultation with Doctor Morgan. Hit
recovery, therefore, is in groedt doabt."

Professor Percival Lowell is the victim of the literal-minded New EngCind printer, whose dislike of abbrevia-
Hons once lea him to bration in a . Catholic church of "" High Massachusetts." Professor Lowell's recent book on Mars and Its Canals,",
appears in aston new "Massachusetts and Its Canals." Coming at a time when Bostonians are discussing the proposed canal across Cape wholly appropriate.
had fair luck
Tourist.-" And so, my man, you are he oldest inhabitant. Have you had
ny remarkable incidents in your life? Oldest Inhabitant.-" Noa, sifr."
Tourist.-" What lived for nearly pened to you ?"
 our wives in my time."
Tourist.-"Any bits of good luck, Tour
then
Olde
Oldest Inhabitant.-" Well, sir, I ain't

 and 近unatims



Prof. Adam Shortt
TO OUR STUDENTS
The lengthening of the evenings re-
minds us that it is time to reopen our literary club, "The f'armer's Literary Society, which assumed such encouraging proportions and was the work last year. This year we have decided to carry it on on somewhat different lines, and, as a beginning. beg to submit the following subjects.

COMPETITION NO. I. Write an essay of from 1,000 to ONE of the following subjects: (a) Micawber as a character-study. f character.
(c) What you consider Thackeray's chief message in literature, and why.
(d) George Eliot's place among the novelists, as illustrated in Adam (e) Macteth (Shakespeare), an outine of the story, with comments on COMPETLTION NO. II.
Write essass of from soo to 1,000 words (apl roximately) on any ONE (a) Your old lailures, your old cannot be all wasted; they can be wonderfully transformed, but they
cannot be thrown away."-Philips (b) .. The crown of all faculties is
common sense. . - Mat hews. (c) "It is not enough to te in-

 or he ore Januars 15th 1908 . (This
considerable length of time is given
to the answering of questions in to the answering of questions in
Competition No. In case any of our students might wish to make an
especial study of one of the subjects One subject only may he written upon ly any one person session of that our work for this sion not only of much useful literary
work, but also of much ntellectual pleasure to mere readers of the esSays, as well as to the active mem-
hers of the Society, we remain.

## EDITORS LITERARY DEPT.

## PEOPLE, BOOKS, AND DOINGS.

$\qquad$ plants, imported by Farl Grey from
Emgland, were planted in England, were planted in Rockliffe
Park, Ottawa. this fall, by the school-
$\qquad$
$\qquad$ over Tante's tomb at Ravenna, the Other over his monument, in the
Santa Croce. Florence. The lamps
will hemate Will be made in Venice in Byzantinepetually hurving. as a symbol of the Poet it undying fame.
At the age of so. Sir. Joseph Hookmursuine his researches with all, is
ardor of youth He is condeavoring. he savs. to overtake arrears of work with this. he kepl his mind imdepend
a mile long, and is built of seven
plates of steel, with sectional pro-
vision for expansion and contraction. for expansion and contracA chemist of Paris, Aristide Charette, has succeeded in manuiacturing
small diamonds of perfect lustre small diamonds of perfect lustre by
chamical processes. ${ }^{\text {in }}$ in successful operation in twenty

## PROF. ADAM SHORTT.


$\qquad$ the dispute between the C. P. R. and
their telegraph operators brings into
enviable prominence the enviable prominence the name of a
Canadian, of whom the whole nation has a right to be justly proud. Prof. Adam Shortt, of Queen's University,
Kingston, chairman of the Kingston, chairman of the board of
arbitrators. Prof. Shortt is a Bruce County man. He was not born with a silver
spoon in his mouth, but he early spoon in his mouth, but he early
showed himself possessed than a usual amount of gray brain matter. Added to this, he had an insatiable desire for reading, and the
amount of work he could get through amount of work he could get through
with was a marvel to all who knew
$\qquad$

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\begin{aligned}
& \text { tending school more than three days } \\
& \text { a week, eliciting the sympathetic } \\
& \text { eomment }
\end{aligned}
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\begin{aligned}
& \text { comment, Por little beggar, it's } \\
& \text { a pity he can't get more schooling. }
\end{aligned}
$$

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\begin{aligned}
& \text { a pity he can't get more schooling. } \\
& \text { He'd be a smart man if he only had } \\
& \text { a chance." Rut a schooling Shortt }
\end{aligned}
$$

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\begin{aligned}
& \text { He'd be a smart man if he only hard } \\
& \text { a chance, But a schooling Shortt } \\
& \text { was bound to have. whether it were }
\end{aligned}
$$

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\begin{aligned}
& \text { a chance at schooling Shortt } \\
& \text { was bound to have, whether it were } \\
& \text { of the conventional order or the bet- }
\end{aligned}
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\begin{aligned}
& \text { of the conventional order or the bet- } \\
& \text { ter schooling that comes from self- } \\
& \text { help and self-culture }
\end{aligned}
$$

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\begin{aligned}
& \text { ter schooling that comes from self- } \\
& \text { help and selif-cuture. Every book } \\
& \text { in the neighboring library }
\end{aligned}
$$

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\begin{aligned}
& \text { in the neighboring library he laid } \\
& \text { under requisition. Books with ideas } \\
& \text { unoro }
\end{aligned}
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\begin{aligned}
& \text { under requisition. Books with ideas } \\
& \text { were always at a premium with this } \\
& \text { whe }
\end{aligned}
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\begin{aligned}
& \text { were always at a premium with this } \\
& \text { young student, and if he suspected } \\
& \text { that any man in }
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\begin{aligned}
& \text { voung student, and if he suspected } \\
& \text { that any man in the neighborhood } \\
& \text { was possessed oi knowledge that ho }
\end{aligned}
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\begin{aligned}
& \text { that any man in the neighborhood } \\
& \text { was possessed oi knowledge that he } \\
& \text { wanted. Shortt was soon found camp- }
\end{aligned}
$$

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\begin{aligned}
& \text { was possessed oi howledge that he } \\
& \text { wanted. Shortt was soon found camp- } \\
& \text { ing on his rail. He found his way }
\end{aligned}
$$to the High School. His studies

never dragked while there. His teach
never knew what this young experi-menter would do next. Long before
the term was out he was master of
his subjectquestion everything, and to keep on
quizing untii he got an answer that
suited himselfsuited himself. With him, a text-
look was only an incident, a step-ping stone a sidelight-anything thatmeans a help. For him there wasno rest till he had gone into the sul)-
joet himsolf, and had personally com-
felled it to yield up its secrets

$\qquad$crasping in subject His faculty fordent to think and to investirate stu- in perfect, are pushing themselveshimseli. The sam. Loveestigate for and are procing satisfactory enough
and investigation followed him
throughout his consse

                    To warrant the sericus consideration
    ditions at first hand.()old colonial records; again, he overParis, France, perusing the is inments of the early French governorLondon or Ottawa, or again, he is inLondon or Ottawa, or any placewhere men are living and working, ofrecords of exploits or negotiationthat bear upon our present life in anydents worship him that his stuhave the power that he possesses, ofinspiring pupils with a love forgenuine work. "hen he discovers a"lad o' pairts," his joy is unbound-or him.and after his spirit of indenendence.his love of work, his of independence,and his enthusiasm for the highest,Weliare of our Canadian democracyour youth may well afford to patternhemselves, is a financier, as ation administration, and as a sora-
he has few equals.
THE NEW EDUCATION ..... IN THEUNITED STATESabout in the species of " education

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\begin{aligned}
& \text { about in the species of " education " } \\
& \text { doled out to the children of the agri- } \\
& \text { cultural and industrial worlds, must }
\end{aligned}
$$

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\begin{aligned}
& \text { cultural and industrial worlds, must } \\
& \text { be evident to anyone who reads close }
\end{aligned}
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\begin{aligned}
& \text { be evident to anyone who reads close- } \\
& \text { y the signs of the times. As a rule, }
\end{aligned}
$$

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\begin{aligned}
& \text { Iy the signs of the times, As a rule, } \\
& \text { such pots boil slowly, but already } \\
& \text { premonitory ebullitions are not want }
\end{aligned}
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& \text { prenonitory ebullitions are not want } \\
& \text { ing. }
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& \text { In Canada-to deal more especially } \\
& \text { with the agricultural side of the }
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& \text { question-they may be recognized in in } \\
& \text { the agitations for consolidated } \\
& \text { schools aith }
\end{aligned}
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\begin{aligned}
& \text { the agitations for consolidated } \\
& \text { schools with technical departments } \\
& \text { and school gardens. in the estabs }
\end{aligned}
$$lishment of gardens; in the estab-some of our Higricultural classes in

High Schools and collegiate institutes, above all, in theare almost to a man in favor whomore specific a agricultural education of
or their childrenrecognized that the It is everywhere
rural schools and in Hiahing in the
which young farmers are educated
which young farmers are educated,
hand in hand with the teaching on
the farm if
the farm, if the best results are to
In the United States the movement
has the ne a step further. Already in
many places there are not only agri-
cultural classes, but agricultural
In to the thichening of the wedge
develomment. Many of the loading
minds of the linited states have, in
${ }^{10} 0$

weevil.


NOVEMBER


 ply to-day as well to Conalla as
the I nited states. in principle,", he satidulture is bas
 lerity and happiness.. The increas-
of knowledge. th: of knowledge. the specialization of
industries, and the close division of
labor, have mato labor, have made a new world, into
which the graduates of our schools
are precipitated are precipitated. The old educhools
leads the pupil to believe he is pre-
pared for life only general. 1 h . prew education must prepare the students for some
specific line of life. It must he both hroad and practical. It must com
bine the theme written in the thene writt win in the soil, and in
the machinery, with the incrirat for the best living which inodern conditions can protide"
Passing on to the statistics of the schools of the United States, Mr
Davis reached the estimate that per cent. of the total population
must stop with the primary schools and pointed out that ior schools, son, the teachers in primary scheol should be of unquestionable excellence in their work. To insure this which these teachers are trained must cational standard must be raised Government rests thon oi the Federa Government rests the responsibility
of providing and maintaining this standard.
i Minnesota, Nebraska, Alabama :ieorgia, and other states," he conthe industrial education started in our State colleges should be extended into a system of agricultural High
Schools, and into our city Schools, and into our city High ganize an agricultural High School and to develop mechanic arts educaSchools and as separate city High graduates of the agricultural High schools nearly all go back to the
farm, and these schools have demon arm, and these schools have demongirls can be educated for country life and returned to country life, that
everyone who looks into the work of these institutions is ready to pro-
mote this kind of schools for the tire country To Georgia belongs the credit of estallish a sufficient number of wel to meet the needs of the farm boys and farm girls of the state. The
Legislature, in July, 1906, authorize Governor Terrell to establish an ag-
ricultural High School in each of this State's eleven Congressional dis tricts. A State appropriation of
$\$ 6,000$ was provided annually as curnent expense fund with which to
liegin each school. The district. securing these schools were required to provide at least 200 acres of land,
and to erect buildings and equip the
schools. The recult it is inspiring the entire country with an interest and faith in High-school
education in agriculture and home conomics. By private subscription, which to establish and equip these年even schools. Never before have the Mmerican people so emphatically ex". "Theation. There may be a difference of to whether we shall make our rural he present unit-the isolated rural school-or whether we should Conse into larger units. Whiehwer plan is pursued, all must agree both in general studies and in the

Associated whilst those of other worthies chester and its cathedral have not
been forgotten Pray do not think that all the claims of Winchester to historic inOn the walls of the ancient hall ad. the ce'ehrated Round Table, at hang sat, or so the legend tells us, the
knights of King Arthur, and it was upon the site of this hall that Wilin it the vile judge Jeffries sentenced Alice Lisle to death.
in imagination, town from with me gate, through High Street, by the "Butter Cross," to the old-fash ioned shops, never disfigured by mod-
ern vagaries of architecture, but pre ern vagaries of architecture, but pre-
serving their quaint faces as I reserving their quaint faces as I re,
member them of old. The "Piazza,", once known as the "Penthouse,"
still stands, still stands, the houses above over
hanging the street, with their hanging the street, with their odd gables and tiles. was told that
the answer given by one of the most
prosperous and prosperous and conservative of the
tradesmen
occupying one of the quaint old shopss under the Piaza, to
the question, $A$ How have you been able to make so much money h" wens bowiny very lows, the lateor remark in a double sense, for you cannot retain vour old-time architecture, with its picturesqueness, and yet have lofty
dows.

THE BUTTER CROSS
Various reasons are given for call-
ing the beautiful erection at this section of the High S.t. the Butter
Cross. by licenses granted to eat butter in Lent; another, and more probable one, is that the sellers of butter congregated there, using the stone steps to place their baskets upon on mar-
ket days. Of course, to this Butter Cross, as to others, is attributed the story of the sudden
death of an old women death of an old woman who butter. That Winchester must have ceenter for farm ago, a good sellinganother legend this time proved by St. Swithin, who is saide to gave stored to an old lady the value of her wallet of eggs, which had been unforIt seems that the graceful Butter tower of this fine old city was onc almost sacrinced to the greed or nec in 177 G, '" which actually committed material to the Paving Commission t us but for the arising of the in dignant bungesses, who resented, and better still, prevented the outrage.' Passing by the Butter Cross, ther avenues which add to the beauty of the cathedral churchyard Fifty vears ago this old God's acre showed crooked, and in many cases unde cipherable tombstones. These have been removed; placed reverently in the crypt, numbered and indexed for their place is a lawn of vivid and in and velvety texture, dotted here and there by memorial stones which tell their own story and mark, the
sanctity of this "holy ground", IBISHOP CURLE'S PASSAGEWAY There is one very curious, and, I which must not be left without menLion. It is a passageway, very narrow and heavily arched, through
which I have passed often in my girl hoorl. influenced ly a most incongrupounded of awe at the solemn comof my cathedral surroundings, and a hide-and-sieh. of the meaning of its Latin inscriptions. I then knew nothing and cared less. It seems that
this passage was known to the un initiated as the "Slype," from the

Dutch, Dutch, "Sleipdeur," a secret door
or "Sleiphol," a corner to creep in
to. It was constructed by bisho Curle in 1636. in order to save th cathedral irom the desecration of
footway, which had become, by common usage, a right scriptions, each one having a hand pointed in the direction to which the face of the pass r-ty was turned, stil "" Worshipper, go that way; travel ler, this.
choir, and this is macred to the the market-place.",
Whilst still another says . " Priva right has yielded to public; now, go BISHOP MORLEY COLLEGE. Nestled in a corner of this fine old
Cathedral Close. is Bishop Morley College not as its Bishop Morley عest, an inctitution for the vounc fut one huilt as a provision for the declin'ing years of such widows of
the leneficed clergy of the diocese as are fortumate cnough ot the


The Butter Cross
cessiul candidates by virtue of their limited incomes and the c aims o tion. The dear little. Houses , with their bright gardens, under the shadow of the fine old cathedral, are dream of beauty, in which many those less happily placed in cottage homes or in hospital wards.
Again I have come almost to the Again I have come almost to the
limit of space allotted to me, and am in a very dissatisfied mood, for I of my subject, leaving bat too many points of interest unreferred to. I can only say, do not leave Winchester
out of your programme, even if your visit to England be but a very
limited one. Allot to it all the time ou can possibly spare. It will amply repay you to do so, and do
not forget that just one short mile away from it is st. Cross, an old
ecclesiastical church and charity of equal antiquity. But the story of
St. Cross must "at its turn until
another issue of our Home Marazin. another issue of our Home Magazine. "It is this desire of the happiness emotion of love itself its principal of ing by affording to us constant means
of wishes the happiness of anyone cannot le
long without discovering some mode of contributing
all its light

## coveries of th <br> hich sees meat sort as simple affection

 scarcely could think thiness where reasionThe Quiet Hour.

UNDER SAFE LEADERSHIP He calleth His own sheep by name, and orth His own sheep, He goeth before hem, and the sheep follow Him He leads us on
By paths we did not know;
Upward He leads us, though our steps
be slow.
Though oft we falter by the way,
Though storms and darkness oft
Set when the clouds are gone
What wonderful pictures of God' Leadership are scattered through the He leads individuals, we are shown how who was sent by Abraham to find suitable wife for Isaac, and who put th guidance of his responsible mission en struight ahead with confidence. When his petition to be led aright was very Mainly granted, he did not forget-as
we sometimes do- to thank the Lord God of Abraham, Who, as he says, led
him in the right way. Do we not see as we look back on the past, that God
has led us also? Then there is the great picture of the their flocks and herds-travelling, waith
in the wilderness for forty years. See
how secure they are! There is the how secure they are! There is th
fiery, cloudy pillar leading the way; fol lowing it they know that they will be
directed aright, protected from danger, directed aright, protected from danger,
and given everything they need. God said to His people Israel : "I have led
vou forty years in the wilderness: your clothes are not waxen old upon you, and
thy shoe is not waxen old upon thy thy shoe is not waxen old upon thy
foot.. And, in looking back on the
wonderful history of the Christian Wonderful history of the Christian
Church, seeing how it has lived through
tiery persecution, times of coldness, heresy and schism, and is of coldness, more and more mighty, slowly but sure
y raising the ideals of the world by its tenvening power,-in looking at this
yreat host, led safely by God at yreat host, led safely by God through
narly 2.000 years, we can gather hope
for its safe conduct in the fature Tor its safe conduct in the future. The
Church is God's Church; it is founded on
a Rock even on Christ Himself-and the
 it is the Bride of Christ, and He is al.
ways at hand to protect and lead His ways at hand to protect and lead His
own. Then there is the other lovely picture,
so often repeated, of the shepherd caring for his own sheep, going before them to going after the foolish ones who watray, and always ready to give Himself to the uttermost for the sheep He loves with a tender, individual affection. Could any-
thing express more beautifully our Lord' personal way of dealing with us? If
the path be rough and hard. He knows the path be rough and hard, He knows
.lll the hardships by personal experience. .ul the hardships by personal experience,
and never commands us to "Co "" His word is always "Come '" If He sometimes chooses the hard path that leads
up the mountain it is because hardness
is bet is better than softness for developing fine
character. What a pity it is that we so often fail to trust Him. Something that we
have been hoping have been hoping for is denied us, and
we at once feel afraid that our lifo wit he spoiled. Or, we can't see the will clear before us, and instead of trusting nur Guide, putting a hand in His and
stepping fearlessly forward, we begin to
worry and fret about the future Worry
$\qquad$
"we procaitimn nk the fact that we domit


his life, he made, the place illustrious ang
public. If ever any man brouglther our hate callinge ichrits sail

$\qquad$
 old, that a path is ant throunh ho
ot rouble, that water of comport fows
 that in the barren wilderness manni ellough for the day's needs is alwars
given us. It is both foolish and wrong to
awake at night anxiously planning for future. It is foolish, because only does no good and makes us need- (1)
lessly unhappy, but it also makes us unthe battles God oxpects us to fight conquer in. Our Leader will not smooth all difficulties out of our road. Why. knows better than to do that. Just
because His love
gent gent, He will often lead those who
trast trast Him straight up to pain and diffi-
culty. Does He not call us to ". in His steps." Did not His steps low to the Gothsemane of renunciation and to the Calvary of crucifixion? How ing menave found that to follow His call ing meant turning the back on ease and
luxury, choosing to be worn in body and
wearied wearied in heart and mind by the sorrow and $\sin$ and burdens of others which they voluntarily took on thei and the men and women who Damien lowed him, doliberately devoting thei lives to the leper colony of Molokai among their friends, and choosing lif dwell "in the midst of all the horror and uncleanliness that surround this
island
graye." Think of the courage sland graye." Think of the courage
shown by the man who faced the risk of contracting the horrible disease, and leader for seventeen years bodily a spiritual Than a thousand $\begin{aligned} & \text { physician } \\ & \text { lepers.." } \\ & \text { Sor more } \\ & \text { Stevenson }\end{aligned}$
says: ." No human heart can knw agony which these years brought him. of the horror of the creeping death of the last
seven years after he himself hecnme seven, years after he himself became a
leper.," Surely tt was a Christ-like thing to do, a following in the footsteps of One who
left His home to dwell among those who were corrupted with the leprosy of sin-
a loathsome and terrible disease in the eyes of perfect purity-and who endured He hath made Him to be sin for us made the righteousness of wod in Him be have shrunk bure and holy spirit must
agony, and vet He wroad from such agony, and yet He went forward, in spite
of the shrinking, and was satisfied that the Father was making no mistake in planning His life-work and life-pain.
Do you think Damien regrets the Do you think Damien regrets the sacri-
fice he made Stevenson says that
whon he Sisited different place than when Damien came there and "made his great renuncia tion, and slept that first night.
alone with pestilence alone with pestilence; and looking for-
ward (with what courage with pitiful sinkings of dread with what knows) to a lifetime of dressing sores and stumps." Even yet, he says, "every and had you visited the the landscape, seen the butt-ends of human beings and ing there almost unrecognizable but still breathing, still thinking, still remember-
ing: you would have understood that ing you would have understood that life
in the lazaretto is an ordeal from which the nerves of a man's spirit shrink. dwell in." And yet Damien's self-sacrifice was
well worth while, for a sisters, doctors and missionaries, fired by
his example his example, minister to thobe sorrowful,
stricken oricken people. "It was his part, by all men's eyes on that distresto to direct lies in the henriuches the nobility tha
$\qquad$

NOVEMBF
n supply the wisdom and power we need. either in our own persor or
through someone else.
He can see the ak in the ach a groat work to perfection When Bishop Ingram was speaking at the University Settlement a few weeks
ago, he said that Oxford House which ago, he said that oxford House, which wo men who waiked with a port manteau and a bath from the little
station-that was the first bath in the station-that was the first bath in the
settlement." Later on, when he went to look over the site of the proposed building, he saw "a dead cat and the can
that killed it side by side." That seems that killed it side by side." That seems
rather a forlorn beginning for the great rather a Horiorn beg, as the bishop de-
Oxard House but,
clared. "if the work is good work, Cood looks after it and prospers it."
Let us get into the hatiit of trusting Let us get into the halit of trusting
our Leader in the little testings He sends us every day. Then, when He tries our
faith severely, we shall be able to trust road is easy and bright does not require any trust at all. How pleased our Lord
mist the when His followers trust Him in the dark, trust on when things seem to he all wrone. The saying is true ". '
is more disgraceful to distrust one is move disgraceful to distrust one's
frionds than to be deceived by them,",
and how much more careful we should

THE FARMER'S ADVOCATE


Nueli Secundus, the New British Air War Balloon
recently, and circled around St. Paul's Cathedral, a picture of which

ON WEDDING SUPERSTITIONS
Marry when the year is new,
Always loving, kind and true
When Februngy

Aways loving, kind and true,
When February birds do mate,
If you marry when March modo Joy and sorrow both you'll know Joy for maiden and for man. Marry in the month of May Mou will surely rue the day Marry when June roses blow,
Over land and sca you

They who in July do wed,
Must labor always for their bread All who wed in August be,

Marry in September's shrine,
Your living will be rich and fine
If in October you do marry,
wed in
TI you wed in hleak November.
Only joy will come, remember
When Decerrater's snows full
and pans littered over the dirty stove,
dust on chairs and dresser, one blind torn half off the roller, the crumpled
cloth still on the table, the wide-open cloth still on the table, the wide-open
pantry door revealing the untidy shelves, torn school books scattered about the floor-a model of discomfort and con-
fusion. Mr. Binns' chair legs came down with "A man can't read a line in peace in this house," he exclaimed. "Be off and got something for Annie to eat after her journey. Emily, you'd, better look alive and help your mother."
The door shut with a bang, and Tom rammed his fingers in his ears, to shut
out the rattle downstairs.
." Poor Annie!" he thought. " She'll wish herself back in New York: Well,
it will be ouly one more grumbling voice He fixed his eyes on the history text hook, and tried to forget his surrbund-
ings in the stirring times of Edward II ings in the stirring times of Edward III.
Instead, he dropped off to sleep, and woke up with a start an hour later, feeling very chilly. As he stood up to go
through some gymnastic exercises, he pas


#### Abstract

help put the things a wayy , Yourg to


 Em must be quite used up. You andto be backs gagain to help. n't live in New York for anything. Do into the kitchen, at Auntie's. You soon get tired of having nothing to do. You
can go to your homework Vou're crazy to get at those old books
of yours. I'll take your place. But I rust just kiss Baby once more. But Oh,
it's good to be at home! ". The girl finished with a sigh of pleaslaughter, which shook a hearty the ceiling.
. Surely, hion
" Surely that's not Mr. Binns actually aughing !" thought Tom, more surto go down and get warm by the stove m really chilled through.
some to tell the truth, it took him some timie to make up his mind to open
the kitchen door. it was so long since he had been in girls' society, and he was not sure if he had not lost the trick
of it. But when of it. But when he solf-conscioualy
walked in, Annie left him no worry about that left him no time to
she said, hurrying to shake hand coures, him, and evidently pleasod to see? hith girls. I'm so glad you can sing, so tow boys here can."
" But, Miss Binns, I really-I'm pleased
to meet you," stammered Tom ing, but pleased at her knowing of hi pet accomplishment, which he had
thought useless in the of hid thought useless in the country I
" Come along, and fill up your pipe, it you have one," said Mr. Binns, cheorfully. "You look cold. Now, little girl be quick and sit down, and tell 1 , gatrlal al
about New York." Tom watched An
moved waiched Annie with delight as she tains, putting about, drawing the curtable, picking up the books, and work-
 some
hands. upstairs to be out of temptationen, hut
the boys were all taken and her wondertul up with Annie Binns leaned back in her rocker, as if
she felt she could rest now. Mr. Binns puffed at his pipe ,with a contented smile on his face; and Annie talked. Tom went to bed at last, still wondersuddenly become the cosiest room he he
hadd ever been in, but when had ever been in, but when he tried to x his mind upon w, all he could really red dress, with the pleasantest voive in "Pleasant." that was the word to deher eyes were plensant, her laugh, but pleasant, and so were her quick ways, and her pretty dresses-but, Tom did not know that, for he, was only a boy. He only
knew that Jim and Harry were not so quarrelsome, that Kimily was developing into a most interesting pupil, that his at was never unpade when he came in
noon, nor was his lamp ever smoky that the kitchen was somehow more comortable, that Anni's hot bicouite were
zomething to hope for when something to hope for when school was
tiresome. And that happineas connlated In driving her to a jolly party on a hricht frosty night, when . her eyeni ${ }^{\text {and a }}$ a
shining, andBut Tom and Aninie were much too voung for that kind of thing. All I wanted to tell you was that Tom foll couite in love with schonl-teaching in the Suntry, and never again recr tted that

## ABOUT THE PRIZE ESSAY.

between now and Christmas to be busy had better postpone the giving of the will givil some time in January. Thi k and I will give all the help I can in thic Ayone who prefers to write the to me at any time of course, send it on the at any time. Here is soct, taken from an on the subject. taken from an old number
of the National Homereading
interesting and helpfu ：－The hour had struck；the full flood tide that rose after the Council of Trent
had published its decree had slipped past and it had grown too late now to unite，
with that of Philip，the jealous power with that of Philip，the jealous power
of France，against the little isle where， as the Armade slowly drifted out on the weary，breeze，in deep green lanes the
＇may＇，was white and the Elizabethan birds sang clear and truc．
＂The Armada came at last．No need
o tell the story of that fight，or ho to tell the story of that fight，or how
the half－starved seamen，fed on peas and oil，faced the Stately Spanish ships， With the sea whitening round them in the rising gale，and no powder in the
hold，and won a victory at which the heart thrills；Dut there has been preserved
for us in an old letter，a picture which gives a lurid glimpse of the human
passions passions of that time，and which helps us to realize that，behind the dry dates and
the hard facts which are usually handed down as history，human passions were at work，and that the men of that time
felt the throb and fow and mourned for their fallen national life， and mourned for their fallen，as we for
the grim English dead that lie on the wide
brothers
It is from an English merchant who happened to be in Spain when a false land had fallen，and that Sir Francis
Drake had been captured al Drake had been captured along with
other but less dreaded heretics．
Then the men of that Spanish town mad great feasts，running through the town
on horseback，with rich apparel，and on horseback，with rich apparel，and
vizards on their faces，crying with loud voices，That great dog，Francis Drake is prisoner，writh chains and fetters！
Then came the bitter disanch Then came the bitter disenchantment，the
broken and shattered ships that had met those English sea－dogs，the wounded men who cried out，we are told，on Sir
Francis Drake，saying he was a devil and no man．And here the merchant con－
tinues his strange story：－I would ， a man at St．Sebastian，snatching a harquebuss，which he did not know to be oaded，and levelling it at a passer－b
I would yon man were Francis How I would hit him
the snaphance，and levelled at the man and down fell the coick，and off went the not a word．＇Seldom has a more grue－
some and dramatic despair been hamatic nicture of human
this，and in helped down to us then Fis，and in helping us to recreate the worth volumes．There were men and women behind the dates in our histories． own peculiar problems，and having
struggled with them to questions which vexed the men of Europe
in．the time of Flizate ligious questions．But，out with all re－ ligious debates，there came the first faiut l，eginnings of colonial enterprise，and tle．It was the threat of Spain，and voked our colonial expansion．and created our wide－slung Empire．Had England writes Seeley，had to fight for her faith against France，her wars might have been
of the old kind，and her battles fought
either on the soil either on the soil of England or France，or on the narrow seas between
them．It was because she had to defend
herself against Spain，the monopolist of the New World，that she was tempted out into the Atlantic，and from that to
the Pacific．Across the seas lay th deep forests and the virgin fields of
America．It was the religious question
that suddenly wedded them the Flizab problem．

Everyday Thoughts．
put his heart into his work and done his







and it trot ted auspicions werese follayed towed by tho

one side to tot them pass, then walke
A Hint About Letter-writing
It your friend makes a sever remar
either leave it unnoticed



that has arisen between you lot yout
roply bo distinctly more triendy



to go fiveighths of the way, why, thery
wound be bore tronelititions thaid

remonstrane then his gile the trishmns

THE FARMER'S ADVOCATE
FASHIONS


About the House

## FOLTDED 18G

Itwood．an American nuthority，
hat one quart of milk has aheme mat one quart of milk has about
muec nutritive value as a pound of ।，
We can purchase in milk nutritive
THE GERM OF THE BULLETINS the：production，care and usis $\qquad$

Condensed from w．I．Bulletin，

## of Agriculture．

$\qquad$
ing the cows and cooling the milk．They usually，however，have this work more or
less under supervision less under supervision，and，if they so
desire，can do much to improve the general conditions surrounding the pro－
duction of milk，by insisting that those duction of milk，by insisting that those who milk the cows are properly dressed milking．By insisting upon cleanly methods and proper cooling of the milk， they can do much to increase the qual ous one，if we would have milk，bicor－ fity of the raw material．Care in this vitality．．．The cow must be fed respect not only insures a better quality grass in summer．with mangels succulent tity．If the butter，but a larger quan－and corn silage to make up for it in ters tell the farmers that wives and daugh－winter．A good ration for winter is 8 put their stables in a clean condition，silage 20 to 30 hay， 30 to 40 lbs ．corn that they have to carry on their work a clean way，that they have to keep
their utensils in a clean manner，and send the milk to the cheese factory ind lbs．oil cake，bluten meat，and 1 to clear．state，it will be done． MILK AS A food． In order to understand the food value
of milk，or，in fact，of any food，we
must have must have a definite knowledge of the
composition classes of foods the body，and of the Briefly，we require to replace continual－
1y in the body muscle mineral matter，heat and energy and Water．We know that with every move－
ment we make，and with every thought ment we make，and with every thought
we think，bodily material is being used up，and，therefore，worn out：and in or－
der that we may not wear out and die， we must replace this loss as it occurs．
This we do precisely as we keep a fire going，by adding fuel from time to time．
our tuel being food． our fuel being food．
For each different substance in the body，we have corresponding food ma－
terials．To build up muscle and tissue，
we use muscle and tissue－building foods，
or proteids，such as meat and egrs，
For our fat，we eat butter，cream，olive or our fat，we eat butter，cream，olive
vil．etc．We get mineral matter in all our ordinary foods：salt is，perhaps，the
best known example．Water we find in
 when we compare its cost and its vespallye scalded with boiling water．Cans should
as a food．For example，a lunch of never be tightly closed as a food．For example，a lunch of never be tightly closed when not in use．
ten ounces of tread and a pint of milk and should be plaked on a rack in an in－
will equal．in nutritive value，a lunch of inted position so the dust cannot blow
soup，meat．
 It still not appreciated as it should be．Cheesecloth should be pearly ten per cent．of of tairy work．It is espectially useful to
It giving heat．
Thenl．and half the value for Milk，after straining and cooling（which
should be done quickly and thoroughly，
this holding good ulso

$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
ho chenpest of the nutritive foods，
is＇almost entirely digested be A good cowThe first essential in the product
cow．A goon cow is one that willHice at least 6，000 pounds of milkter inct less than 250 pounds ofthan $\$ 30$ for feed．at a cost of not morman cannot afforhat produce only 3,00in mind the factors that we must beare must have a strong healthygrass in summer，with mangels，carrot10 lbs ．clover hay， 30 to 40 lbsbs．meal，made up of equal parts ofo each cow．Give the cow plentyweet，and well ventilated．Nopt clean，should keep his cows in a small，damp
filthy house，and expect milk itclean，regule．The cows must beclean，regularly brushed and curried．
As a rule，the milking should be done
by a man．He should have beby a man．He should have on cleartore milking．Milk wash his hands be
pail． 1 momedintely into a cleanpail．Ming．Milk quickly into a cle
Inmediately after the milk
drawn from the cow，strain itdrawn from the cow，strain it，milk and cool
to a temperature of 50 to 60 degrees．If
ou get milk cooled thateyou get milk cooled thus，it can be kept
for a long time，and will be fit for
luman consumption．Mikcooled at once，forms a mandion is notdevelopment of bacteria，and very oftenimpure milk supply
One of the essentials in keeping dairy
utensils clean is to have a smooth sur－This should be kept in moind when
be done．As soon as the tin is worn offsils should exposing the metal，the uten－
after using．They should first iee rinsed
with lukewarm water

THE FARMER＇S ADVOCATE

0Natares
Eimerson．
Everyy hand is wanted in this worldFarmer＇s Advocate＂，1．ondon，Ont．
INote．Where two
numbers，appear，tonWork－Ciongerge Eliot． $\begin{aligned} & \text { Who makes the storm } \\ & \text { Reflicet that God，whe }\end{aligned}$docist．can make a violent，angry heart．was entirely froezen wort，und the smotichA Bright Shepherd Dog


FMBER
Carmichael.

## BY ANISON NORTH. <br> like that



"Ch, no. All the same, if Car

them two wid conce or wro smalle
the nowe ant men naesed on
That a granal story abut oresthing went homene to coll Chris when " Unater tho full moon that might
Xorkio Toad


 Mith which it hat hat clased.

 handy about the hh howese mo momerrul


 Yortio shook his had tod
saduy, fhok his haor slowly and


grrate neworrapingly his suro h heid
meals, ' $n$ ' works like any man out
Yorkie brightened visibl
"Oh, aye," he said, "Sandy's
good lad as ever was, ' $n$ " his mothe good lad as ever was, 'n' his mother
over again, but," ruefully again,
"he's not up to her wi' the cook-
in',"
woman ,", don't ye hunt up another
woman ?'' asked Chris. But Yorkie
evidently did not detect the chafin "Wha-t?" he exclaimed, perplexed. 'Why don't ye hunt up ${ }_{\mathrm{a}}$ woman Yorkie hitched with becoming mod
esty. esty queer I never thought oo' that. Meeble a wumman isn't so easy to find, but think on't." And with that he got up and shuffled off toward home, as
though he had teen called though he had teen called upon to lace a matter which required imme-
diate decision. "Dash it ! What hev' I done
now!"
exclaimed
Chris, looloing now exter him as he disappeared in the
after moonlight. "If I've set him on to
some poor - wumman '! But dash takes him !", be her own fault if she missed him !" and with that he sis fied to be rid of the responsibility. I slid onto the bench beside him was about to spar I saw that he ly he began in that low, easy wasent which he often talked when II was near, partly, no doubt, to me, but a
great deal more to himself? great deal more to himself.
Before he got through' I knew the he was dwelling on the incidents the raising, as told by Yorkie, and more especially on that in which my Tather had thrown down the malle dififerent. like an iron rod-thet's yer fatherstraight up ' $n$ ' down, ' $n$ ' no shilly
shallying abput them, ner mouldin to other people's notions, 'n' 's lonig
as thev're set in tre right all's well 'n' good. A good kind o' people
lass, ' $n$ ' one that the world hes often much need of. ' $N$ ' then there's them that's like a great river-that's Henry Carmichael-now runnin' calm
smoothlike atween the meadows
now thunderin' ' $n$ ' blusterin' ove
the rocks in a waterfall, ' $n$ ' Heaven the rocks in a waterfar, in Heaven
help them that gets mixed up in it but then, afore ye know it, wimplin aquin into a quiet-like pool, wi' the
ferns noddin' ' n ' the hirds singin' A good kind o. folks, too, lassie, if ye've a mind to look nost the cata-
racts that comes jist here ' $n$ ' there.'. He sat still a moment looking out into the moonlight, while I sat wondering when Henry Carmichael could
possibly be like a "wimnlin' prssibly he litre a "wimplin' pool.'"
Then. in a tone of disgust, he added. " ' N ',., there's them that's jist-
$\qquad$

$$
1792
$$

THE FARMER'S ADVOCATE


।


Scarolty and Deamess of Feed or Badly Fmosted Grain

 can be dourimachine in that perfoet, runs nicely; is all the

 would not be without it",


J. FLEURY'S

Vodtendile SONS, AURORA, ONT.

## A Blended Flour <br> (of Ontario and Manitoba Wheat

Makes the WHITEST BREAD
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## The Ingle Nook.



MODES OF DRESS Paper Read at a Meeting of
Ospringe Women's Institute by Ospringe Women's Institute
Miss Ada Currie.)
We learn from Bible history that the
first garment was made of leaves. Be first garment was made of leaves. Be-
fore sin entered the world there seems to have been no occasion for any covering.
Following history all down through the ages, we find that the more sinful a
nation
becomes-with also a certain . nation becomes-with also a certain travagant and artiftial in dress. Each
age has its own style age has its own style, and that style is
an index to the habits and character of the people. For example, the quain
mode of dress at the time when
 ners. At the present time there is
such a variety of styles to chose such a variety of styles to choose from
that one can be suited whether she あants a gown of the very simplest or most elaborate make. This is also
characteristic of present-day life, which characteristic of present-day life, which is
so busy, when living is so complex, so rushed, materialistic and artifcial., It is
a time when " Fashion is Queen and
a a time when "Fashion is Queen and
Money is King,", and I am afraid we
are too often apt to sacrifice comfort and are too orten apt to sacrifice comfort and
health in order to dress as we think be comingly, and to be like other people,
We do not feel that We do not feel that we are injuring our
selves in any way, and, because of years selves in any way, and, because of years
of habit and custom, we perhaps do no
notice our manner of notice our manner of dress to be uncomfortable. $\begin{aligned} & \text { Physicians and all woriters } \\ & \text { who write of science, health and moral- }\end{aligned}$
and ity in connection with the human body,
agree that the body should be free from
anything anything which prevents perfect and easy
circulation of the blood circulation of the blood, that the cloth-
ing should be such that the weight of ing should be such that the weight of
it is on the shoulders, not on the waist
and hips. The waist and hips. The waist, for the waist
natural reasons, is made pliable, and its
nate
weal weakness in that respect is taken ad-
vantage of and often drawn up to vantage of and often drawn up to a
smanler than its natural size: this throws
other organs out of place, and, hence induces a great out of place, and, hence, in-
The waist internal troubles.
Thay not be pressed much. The waist may not be pressed much-
just very little smaller-but yet ever so
little will prevent the most verfect little will prevent the meot per so
digestion of the food in the stomach. By being used to having the bone of the
corset to help support the back, we will
often, when tired stead of teaching our own bones and
muscles muscles to do it. Prof. Fowler, and
many others who are students and
teachers of physical culture, cin teachers of physical culture, claim that
by proper dress and exercise, proper posi-
tion in standing, right breathing, bathing, etc., by training and strengthening
the muscles of the back, the abdomen and The muscles of the back, the abdomen and
sides, one can become so strong that a
great deal of great deal of sicomess can be avoided.
How we can dress so that the weight is mostly on the shoulders, and, at the
same time, dress becominaly cume time, dress becomingly and in the
custom of the present time, is a question
yet to be answered . When a worn, it is so so stiff and hard a corset is
a skirt is donned, the whenght is not
on the hind on the hips; but when no corset is worn,
the skirt band must be very loose, or
it will injure the tender waist wearer. The custom of the day will not
dillow people to dress with loose not
ments from pearing from the shoulders, without ap-
garment would quer, but this kind of garment would be much more comfort-
able, and most becoming when properly
draped and madd draped and made. Should we not hail
with delight and encourage to our ut-
most most any tendency in the fashions to
become so that the human body may
have a chance to live naturally and have a chance to live naturally and
healthfully as our Maker intended it should.
So much depends upon the women of
the country us to
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$\qquad$
$\qquad$
$\qquad$

FOUNDED 1866

## Way to make it strong out the pure with

 the medicines which God has given usso plentifully-fresh air, sunshine, watur, so plentiruly-fresh air, sunshine,
proper food, exercise and dress ? Wo believe the Women's Institute
Ontario is doing a good work, think if it accomplished nothing but have been the means of implanting in
minds and hearts of the people a and more beautiful ideal in the mod dress, it would have accomplished
noble purpose-an ideal which wold noble purpose-an ideal which would lea
us to dress according to the needs the body, not according to the dictation us bow before her shrine and grovel the mire of artifcialism, and have us
smile all the while, and say ," beautiful!" A few years ago an American speako Ontario, showed us, by a very col
vincing argument, that in as and tario, so goes America," and, quotin Amer a noted writer, he said, "As goes be true, so goes the world." is thi most certainly a trust to perform. Wo cannot think that Ontario wields such nfluence as this speaker would make sense of responsibility idol worship, while think of the folly of midst of it ourselves, unless we look well no our ways. The idols of to-day are Anything that we are apt to follow, in, stead of obeying God, becomes an idol Tor us to cast aside. Do not modern
fashions, when followed, prevent minds and bodies from better fulfilling world highest and best mission in the dress be Why should not our mode of dress be made subject to our needs,
rather than we be subjects to the reig ing fashion weddess ? her styles are to be admired, but their artiticial beauty would sink into insigni-
ficance in comparison with a ficance in comparison with a more simple
garb, draped by the hand of a true garto, draped by the hand of a true
artist. We send missionaries to foreign lands, and we see those people adopt our mode of dress. Would it not be better
for us to take Tor us to take a lesson from the
Japanese ladies' garment rather than encourage them to pattern after our which is so far from the ideal? Is
not like taking one idol from them and not like taking one idol from them and
offering them something which offering them something which may
grow to be another ? John H. De Forest, D. D., in his book, ${ }^{\text {D }}$ Sunrise in the Sunrise Kingdom," page 51, says.
.$\quad$ "The graceful and expensive "The graceful and expensive Japanese
clothing has been wholly given up public dress by multitudes of offlcials. teachers, soldiers and business men, whd now appear in European clothes. The
middle and lower classes. women alike, mainly cling to the inex pensive kimono. The upper-class wome
do not but continue to Western styles of dress pensive sash, with the broad and ex show the form of the body; and, al honnets they do not wear hats and honnets, their hair ornaments are rich
and costly. ind
that . Fukuzawa used to say that the three strangest sights on earth the deformed feet of Chinese women, and che black teeth of Japanese women. The custom of blackening teeth is rapidly go-
ing out of fashion." Of these three customs, it is not difficult to know which is most harmful to the human body. think those Japanese ladies who do not
take to Western style of dress are show ake to Western style of dress are show-
ing good sense, and I think we should be bettered by adopting the good quali-
ties of their dress ties of their dress, and by the lessons
we, as Canadians, have learned in we, as Canadians, have learned in
economy, we make them without being
expensive expensive.
Dressmaking has become a nerve-har-
rowing occupation rowing occupation end and the busy houre-
wife who cannot afford to pay a dressmaker, and often cannot pet one-w1
wanted-for any money, finds it mot sewing. Why she to bould bear, to do the fomily
someone not finvent simple matinnuld
(Canadian) costume
simple, beautiful and true life within ${ }^{2}$


The Rags With Which I Made My Last Hooked Rug, I Dyed With DIAMOND DYES FOR COTTOH.

"I make several floor Rugs and Mats
each year, using Cotton or Wool dyes as
occasion requires. The rags with which I

|  | $\mathfrak{e} \mid$ |  |
| :---: | :---: | :---: |
| row. |  |  |
|  | Nomen | ata |
|  |  | cosme |
|  |  |  |
|  | num |  |
|  | ane |  |
|  |  |  |
|  |  | $)^{(3)}$ |
|  | arsme | coile |
|  | Span |  |
|  |  |  |

DR. W. A. MofALL
 188 spadidina Alum inuer Toronto. You cannot possibly have
a better Cocoa EPPS'S A delicious drink and a sustaining
food. Fragrant, nutritious and food. Fragrant, nutritious and
economical. This excellent Cocoa maintains the system in robust health, and enables it to resist
winter's extreme cold. COCOA made my last hooked rug, were which ton, which I dyed with Diamond Dyes
for Cotton. The five colors are very rich and bright, and the whole effect rich
pery
pleasing. I find your Diam pleasing. I find your Diamond Dye codo not fade or get dull looking. Dia-
mond Dyes are my best friends and airls n housekeeping."' Hayes, St. John, N.B. This lady knew well that Cotton Rags
(vegetable materials) should be dyed vegetable materials should be dyed
with Fast Diamond Dye colors for Co-
ton, which always give those rich color ton, which always give those rich color
that imitation and worthless dyes canno equal. WE WANT THE LADIES TOKNOW
that when a merchant tries to sell a dye which he says will color Cotton and
Wool equally well, he is trying to sell Nool equally well, he is trying to sell a
poor initation of our Diamond Cotton
1)yes. ALWAYS BEAR IN MIND that dif
ferent sirengths of dyes are needed for ferent strengths of dyes are needed for
animal products and for vegetable proanimal products and for vegetable pro-
ducts. Special Diamond Dyes are pre-
pared for Wool and Silk, and special pared for Wool and Silk, and special
Diamond Dyes for Cotton, Linen or
Mixed Gionds Do not be deceived by any Mixed Goods. Do not be deceived by any
merchant or dealer. Ask for Diamond
Dyes; refuse all others. Send us your full address and we will mail you free of cost the famous Dia-
mond Dye Annual, New Teddy-Bear Booklet and Diamond Dye Direction WELLS \& RICHARDSON Co., LIMITHED


Â Blotches
Mitwisix 2\% mith wem Aone and Pimple Cure
 Supe fluous Halr,

 HISCOTT DERMTTODOCICAL
 Tbl Colesge St.Cor.LaplantangavaTorontra

## $\$ 12$ momains fal suits $\$ 6.50$


Judge--If you knew you were innocent
why did you give a false name?
Prisore
Prisoner.-r was afraid of compromis-
ing too many people.
Judge. Indeed ! And what is your
real name
Prisoner - John Smith.

THE FARMER'S ADVOCATE.


## FROM OUR CATALOG

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superior metho

Upon request we will send you a little booklet (B-237), which con
tains valuable information about lineeed cake and how to feed

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## ONTARIO PROVINCIAL <br> WINTER FAIR

Guelph, Ont., December 9 to 13, 1907


SINGLE-FARE RATES ON ALL RAILWAYS.
For prize list, entry forms, or programme, apply to the Secretary
ARTHUR SOHNETON.
A. Fipariliamont eutidinge, Tomonto.

WHAT WE GIVE OUR SUBSCRIBERS FOR GETTING NEW SUB SCRIBERS FOR US
For One New Subscriber

1. Farmer's knife, Rodgers, a first-
2. The choice of any two of the fol owing: Reading-glass, large mouth-organ
(harmonica), mariner's compass For Two Now Sur
3. Bagster's Comprehensive Teacher's
4. Lady's hand-bag, leather and lined
with leather, large enough to carry let-
Watches
5. Gentleman's nickel watch for three new subscribers.
6. Gentleman's gold-filled Elgin or
Waltham watch for thirteen now scribers.

OUNDED 1866
keted, of which $10,895,810$ hal
passed inspection in Winnio passed inspection in Winnipeg, with

outtard shipments amounting to | Outward shipments amounting to |
| :--- |
| 837,432 bushels. Last year, out |
| $7,000,000$ musher | $27,000,000$ bushels marketed, at same date, $17,190,256$ had passed

inspection, and $7,864,999$ had been inspection, and $7,864,999$ had been
shipped across the lakes. shipped across the lakes. In the
United States, $100,000,000$ bushels of grain are now ready to be mar keted in Dakota and Minnesota, but
are practically tied up for wan are practically tied up for want of
the money to hand it with spatch setting forth the exigencies the case has been forwarded to Presi
dent IRoosevelt, and an appeal mad to him to advance an appeal made the embargo and start prain shis ments to Furope. In answer, it has cen announced by Secretary Corte
vou that help will be extended at enarly date.

GOSSIP
eight new subscriting silver watch for
4. Lady's gold-filled watch for eleven
new subscribers.

These articles are all good, and may
In addition, we have books bearing on
almost eyery department list of which seen elsewhere in in. The Farmer's Advocate."
Tell your friends about our journal and its new serial. Secure their names,
and let us send you one of thes premiums. State definitely whic
premium you prefer. ThE OTTAWA CLYDESDALE SALE.
The date of Mr. Wm. Meharey's sale of

## Current Events.

The King's birthday was celebrated
on November 9th. His Majesty was
born in 1841, hence is sixty-six years
of age in our last issue to take place on November 26th, has been changed to Decernber 3rd, at the same place, Buller of fifteen two- and three-year-old ClydesScotland, will be sold, without reserve to the highest bidder, on seven months' time without interest, or five per cent.
off for cash. These are described as superior lot of heavy-draft mares-large,
smooth, and full of smooth, and full of quality and of the best
breeding. This is a chance to secure a good brood mare or two at the buyers
own price. See the advertisement, and
for particulars write the london shire salf
 nounged that, from Incember 1st, the
frcight charges between Fastern Ca nadian cities and points west of Fa-
William will imported Shire horses, on November 7 th Nottingham, $\begin{aligned} & \text { Fingland, Mas } \\ & \text { tended, and }\end{aligned}$ Was largely at tended, and the stock gas largely at
being of large size, fine admired excellent condition, having stood the or
deal of shimpig deed, of shipping remarkably well, as, inbreed, indicating a strong constitution and a quiet disposition. The mares were
evidently wanted, though the prices bid
were were not up to the expectations of the
sellers in several cases. The season wwat unfavorable for the sale of stallions, and
none of these were sold none of these were sold, except a spring
colt, a sturdy gray, which went to Cor son Bros., Delaware, Ont.., for $\$ 145$. The
highest price of the sule highest price of the sule was $\$ 400$ for
the brow two-year-old filly, Tuttle-
brook sylui hrook Sylvia, by Nailstone Ccour De
Lion, taken by John Mawhinney, Marsh-
ville, at $\$ \$ 000$. She is a filly of great ville, at $\$ 400$. She Mawhinney, Marsh-
sulustance and quality and fily of great
such weine action for such weight, a characteristic which was esplecially noticeable in nearly all of the
offering. A grand pair of well-matched
thack mares, three and four yenre
 Violet, both hy Rempstone Fashion, were
very tult admired, and keenly bid at $\$ 750$ for the Parker, Weenly bid
Theming, On


The annual meeting of the American Cotswold Registry Association, for the and the of officers for the ensuing yea will be held Wednesday evening, 7.30 . m., Dec. 4th, Live-stock Records Build ing, Union Stock-yards, Chicago, during he International I.ive-stock Exposition r. W. Harding, Secretary.
he ottawa clydesdaie sate The date of Mr. Wm. Meharey's sale of e-

## Mr. W. J. Mackenzie King has been appointed a Royal Commissioner to

 appointed a Royal Commissioner toinvestigate the question of Japanese
immirration int Iritish Columbia

The total immigration into Canada
for the first nine months of the pres-

during the past fortnight, to meet
demands for money occasioned by the
present stringen


It is stated that all the railways
in IRussia are now practically in the
hands of the revolutionaries. and that
hands of the revolutionaries, and that
plans for armed uprisings are being
Spreal
spread everswhere throughout the
Fimpire.
The anxioty caused by the unsatis-
iactory condition of the grain mar-
ket still continues. $\begin{aligned} & \text { Grain-buyers } \\ & \text { say the banks will not extend the } \\ & \text { necessary credit the banks on the }\end{aligned}$
aimly magnificent specimens of this great
raft breed, and were reckoned cheap at
he


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Imp. Clydesdale Fillies by Auction 15 TWO AND THREE YEARS OLD AT OTTAWA, ONT.

TUESDAY; DECEMBER 3, 1907.
TERMS-Seven months withoat interest, on bankable paper ; 5 per cent. of for onel,
WM. MEHAREY, RUSSELL, ONT.

Miscellaneous.
MILK, CREAM AND BUTTER
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 The Steel Trough and Machine Go, Ulelted, Twoed, Ontario.

| ES Norwich is the Canary of $\frac{M a r k e t ~ o f ~ t h e ~ w r l a, ~ a n d ~}{W}$. Rudd its market plen | TRADE TOPICS. |
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| , breeding or | \$1 package of |
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| r's handy diary, with preas | big page advertisement on |
|  | this issue. |
| alley Home | grand trunk ex |
| B | TOWN EXPOSITIO |
|  | vice is received that Jury of |
| pared to give bragains to giit all who are pro- | Jamestown Exposition, Norfolk, Va., |
| and 12 bulls from 9 to 18 months old. Also 65 | hibit has been |
| Berkshires of prolife strains. | and one silver medal, covering ins |
|  | exhibit, photographic scenes and |

## Free to the Ruptured

Simple Home Cure that Anyone Can Use Without Pain, Danger or Loss of Tlme from Work

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Firee Treatment Ooumon Mark on the diagram the location of the
rupture, enswer the queations and mail this to Dr. W. S. RICE, 865 Maln Street, Adams, N. Y


Age .................
Time Ruptured $\}$
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$\mathbf{W}^{\text {ANTRD-A }}$ ind ind toor servant. One quall-

 Condensed advertigements will be inserted
under this heading st two cent per word each
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 for sale will find plen
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for ritising oiloms.
for less than 30 conts.
$\mathrm{B}^{\mathrm{RO} \text {. } \mathrm{N} \text { and Fhite Le Leghorns, Barred and }}$















## QUESTIONS AND ANSWERS

 MiscellaneousLOOKING FOR DUCKS a White Mammoth Pekin drake, and what Ans.-You will find Pekin ducks adver ised in our issues of Nov. 7th
Orop a line to the advertisers.
MULCH FOR STRAWBERRY
rawberry

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\begin{gathered}
\text { Woul } \\
\text { apple } \\
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ight inches a quicksand subsoil about give me any other information Pleas
subject that you think might
Ans.-I would not advise planting an apple orchard upon such land as you
describe. It is particularly important in setting out an orchard or fruit plan-
tation of any kind that the site selected
aftord good soil drainage, and, if pos-
siblen sible, also good atmospheric drainage
Low, flat lands, even when well drained
Low, flat lands, even when well drainaged
are, not, as a rule, good for fruit plan
tations, because they are
jurious early fall and late spring frosts
through the settling of cold air upon
them from higher levels. Even though
trees may thrive upon such land for a
time they are


GOSSIP.

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\begin{aligned}
& \text { Meeting of the Blackburn Primi- } \\
& \text { Methodists to consider how they }
\end{aligned}
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$\qquad$ditor, Mr. Mortimer Levering, LaFay-olume of 1.550 It is a ponderous
is.containing pedi-
co records of sheep numbering from11,123 to 232,978 shep showing the from
now
Mr. J. Gordon Gibb, Manager of
:ibb's Woodfield Stock Farm and Short-
Corn herd, St. Catharines, Ont, adver-
sid in this paper, writes: "Our herd
headed by the Lavender bull, Trout

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A Phenomenal Record
As a tree is known by its fruits so also is a Life Insurance Company known by its actual esults to policyholders. The actual results realized under the policies of

he began to get wisb.






 mo.". Wharenpon the stranger. paid tor weill run up to my hotel, where I shall
have the pleasure of reimbursing you."
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THE FARMER'S ADVOCATE
QUESTIONS AND ANSWERS Miscellaneous.
drainage sought.


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Whan Writing Plaase Mention Adroctio
THE EIGHTH ANUUAL INTERMATIOMAL LIVE STOCK EXPOSITIOM

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\text { UNION STOCK-YERDS, HOY, so TO DECO. 7. } 1907
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 Dally sales of Pure-bred Breeding stook







 Low Rallmay Fares. Sales Held on Show Grounds. Now Rttraotions.

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Iceland, Welsh and Shetland Ponies One piebald shetiland mare


 Imported Clydesdales

?
 $\underbrace{\substack{\text { invited. }}}_{\substack{\text { spection } \\ \text { to suit. }}}{ }_{\text {Terms }}$
Geo. G. Stewart, Howiok, Que. Clydesdales, shorthorns and Cotswolds - Foor

 CLYDESOLLES AND SHORTHORNS

 Subscribe for "Farmer's Advocate"

## Mr. A. Hallman. Brestau, On

 Writes: "Never was there a better colection of Holsteins and Tamwortha Spring Brook Stock Farm. The cattle condition. The young bulls exhibited at Toronto are doing fine. The first-priz and junior-champion bull call is growing nicely, and should grace the head
some good herd some good herd. He is well-grown and
ready for service Margaret 2nd, has Hrop dam, Princess brother to this bull, which will be rare chance for somebody to secure prizewinner and an exceptionally wellbred calf. My herd of Tamworths was
never so complete. Every breeding aninever so complete. Every breeding ani
mal is of excellent contormation and rare mal is of excellent conformation and rare
breeding. The imported boar, Knowle King David, is proving himself a splen-
did stokk-getter.
I have four sows that have farrowed oine liters, sired by him
They
Tright type. vigorous and strong and the
This will right type. This will give a rare op
portunity of getting some of the best
Englity portunity of getting some of the best
English blood to lay a foundation, or introduce new blood. My imported sow
Knowle Sultana, is growing fine, after
Kin raising the ten piss, which she farrowed
eight days after she arrived. Eiven with eight days after she arrived. Even with
this large litter she won first prize at
Toronto. The young Toronto. The young pigs are doing
grandly, and are a rare good lot. Her Flowers, Dallas, Texas, and another to
Mr. John McAlphin, Aughrim three boars left and five sows. I have
a fine boar, ten months old, winner of
third prize te at third prize at Toronto to Mr. Turnbull
Listowel, which should prove benefit to the neighborhood where he is
owned. Another pair of Toronto
ners went ners went to Henry Paliner, Avondal
Pa.. an exceptionally
the an the 4th shipmenty to nice pair. This
always comes back tor moalmer, wh always comes back or mor. Malmer, woor, wock
This is the time farmers should sele
their breatint their breeding stock for next summer
The man that is wise will lay a good
foundation when pin ioundation when prices are low: higher
prices are sure to follow .

GLENWOOD HOLSTEIN SALE. A goodly number of the most pr
gressive dairymen of the section, $t$
gether with gressive dairymen of the section, to
gether with a number from various part
of the Province, assembled at Glenwoo
Stock Farm on October 31st, to atten the auction sale of Holstein cattle fron
the herd of Messss. F. \& N. Howe
Crampton, Ont. The roads and weathe
were all that could be desired, and. un. der the able management of Capt. T. M M
Moore, auctioneer, good prices were
realized, despite the scarcity
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## Prrd, go $(5826)$,




CLYDESDALE STALLION S
 messrs. Dalgety bros., alencoe, ont.

Imp. Clydesdale Stallions

1My latest importa tions are the sons of Baron's Pride. Up.to-Time, Baron Hood, Fiokle Fashion and Sir Christopher: are up to a ton in weige, wiron Hood, with strong,
flat bone, the best of feet and ankles, and big, smooth. flashy tops. A choice
 Wm. Co'quhoun, Mitchell P. 0 and Station. 'Phone,


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 SMITH \& RIChardson, columbus, ontario.
CLYDESDALES
We have imported more Royal, H A. S. Toronto and Chicago winners than
any other Canadian importers. This year's importation has juast arrived
 GRAMAM BROS., CLAREMONT, ONTARIO

| Graham \& Renfre <br> olydiedales mat hacknive <br>  <br>  <br> GRAHAM \& RENFREW, BEDFO <br> Largest Importation of Clydes <br> and Percherons of the |
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Oak Park Stock Farm IMP, Hackneys, shropseipes BRANTFORD, ONT

Hack berkiblires shropsifires
 Imp. Clydesdales (Stallions and Fillies), Hackneys, Welsh Ponies. Thave now on hand Clydesdale stallions and fillies-Scotland prizewinners and
champions; Hackeoey fllieg and Hacknoy pony also Welsh ponies. There are no
better animals.

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Are a speciffic for all diseages and dis-

 Women troubled with irregular men.
Bturation so cents per box, or 8 for 81.25



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Brown Swiss Cattle FRENOH-OANADIAN HORSE.
alm \& orfire ing for sale oattle of both sexes an
 C. E. STANDISH, Treebarthe Fawm, Quebeo. W. R. BOWMAN, MT, FOREST,
 ick-Prolific (imn.) a Chicago winner. and



ABERDEEN - ANGUS For sale, 50 head to pick from, males or females,
by imported sire GELER HELLL, Washinfton, Ontario. ABERDEEN - AWQUS CATTLE For sal.: young bulls and femseles Herd won
 Hawthorn Heral of Deep - milking SHORTHORNS $\rightarrow$ G youna bulle
by Aberdeen Hero, Imp.
$=28880=$. Also females all ages. Wm. Grainger \& Son, LONDESBORO P 0





SHORTHORNS


 JAMES MGARTHUR,

THE FARMER'S ADVOCATE

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## AUCTION SALE

## Wednesday, December 4th,



 вale
Sale to start at
Lunch served.
T M, WIGLE, PMoprlotor. RUTHVEN, ONT.

## Shorthorns ! <br> BELMAR PARE. <br> John Douglas, Peter White, <br> Pombroke, Ont <br> Oalve日 for aelo by our grand quartition  Mariooli Sallor. Nonparoll Eollipeo. Pemalies. Iniported dand from import <br> An unsurpaesed lot of yoarling hoifors.

Our herd is headed by Imp. Prime Farorite,
grand ohampion buil at the Canadion National Exhibition, at Toronto, and at th

 or one of our bull eatalogues. A number of females in call, or with calf at foot, also

for sale. Correspondence solicited. Visitors always welcome. Theng | for sale. Correspondence solicited. Visitors always welome. Long-distanoe 'phone |
| :--- |
| W. G. PETTIT \& SONE, Freeman Pr O., Ont., Burlington Jel. Sta |

> Maple
> Shorthorns \& 8hropshlres One yearling Lavender bull for sale. Younger bulls
growing. All shearling rams and ewes sold. Will sell a few good ram lambs.
> Shade
> OHN DRYDEN \& 8ON, Brookllm, Ont. Stations: : Brooklin, G. T. R, MMrtle, C. P. R.


SHORTHORNS AND LINCOLN SHEEP.

 atroubonabio pricee
sootich ghonnielo. Ontario.



Spring Valley Shorthome
 Clipper Ohiof (imp.) $=642320$. Nㅡ늘․
John Gardhouse \& Eonn
 and boo ue.


## LIVINGSTON'S OLL CAKE




DOMINION LINSEED OIL CO., LIMITED
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## SHORTHORNS



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SHORTHORN HERDBOOK WANTED.



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1854 Maple Lodge Stock Farm 1907
 A. W. Smith, Maple Lodge, Ontario
T. DOUGLAS \& SONS STRATHROY, ONT




Tho fit romody to $x$ su
Fleming's Lump Jaw Cure nd it rmalno today tho otantard tate




 shorthorns a liccolm


 LEECHER'S SHORTHORNS \& YORKSHIRES



Clover Lea stook Farm SCOTCH SHORTHORNS

 R. H. REID. PINE RIVER. ONTARIO. MAPLE OROVE SHORTHORNY

 Will be side oisy. Brown Lee Shopthorns
 remonable AYY, O. P. R. Dram bo. © T. R. ELEM PARK STOCK FARM

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## Queenston SHORTHORNE  Hudson Usher, Queenston, On SCOTCH SHORTHORNS Wo now ofer four hailer calvos 10 and 11 months  <br> SHORTHORNS <br>   Nalson P. O., Ont., Burlinston Jot. sta Mportid shorthorn bult royal 

november
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 SUMMYSIDE STOCK FARM


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JAMES GIB Broekedale, Ont.
BHORTHORN FEMALES.
I have sold all my young bulls adver-
tised in dvooate. but have some
dit
 UUGH THOMSON, st. Max SEs. ATHELSTANE SHORTHORNS: Pure Sootoh Rosewood, Rosalind and Countesa
straing. Ten one and two year old heifers of
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reason Box 324, stratfordi, ont. YOUNG SHORTHORN BULLS Am now offering 2 grand one8 from Scotilibh
Peer (imp.). Will make show animals. Also -eioester sheep, A number of young breeding
Wees to eell. JAS. BNELL. Ollnton, Ont. STONELEIGH E. JEFFS \& 80N8
 stock of various ages and both sexes for sale
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Stoneycroft Ayrshires. seven

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 Aymshime Bulls one laot Soptom
 Wardend We have only four apring buit
 STONEHOUSE AYRSHIRES
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AYRSHIRES Young bull from prod doolite



Burnside Ayrshires. IMPORTEDAND CANADIAN-BRED

 R. R. NESS, HOWICK, QUE,, P. O. AND STATION


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Maplo Hill Holsioin- Frlosians

a. W. Clemons, St. Geopso, Ont.

Olowword Stock Firin Holltaint and


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$\checkmark$avo ros amam and rindem Lyndale Holsteins
 BROWN BROS. LYN. ONTANO.

 Imporlal Holstolne Bill oalvos for mest.
II. IImmons, Maw Durtam P. O., on arove Hill Molstotim Hors

 Holetelns and Aywehime

GIO. RIOE, TIIIsonburs, Ont.
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" THE MAPLES " HOLSTEIM HERB
 Iro monihs olit tor sale.
Wallourn Rivore, Foldon's, Onto Benver Creok Hond of Holetelns

Albort mittlefohidt, Eloho, Ontario

Falkill herd ia ibo plao lobay youil





RIVERSIDE HOLSTEINS




## JUICY STEAKS <br> To repair waste tissue in an animal organism requires food. To make growth necessitates the giving of a greater portion and to build fat on tissue- growth sought in putting a steer, hog, or sheep in market sought in putting a steer, hog, or sheep in market condition-calls for a very large consumption of nutritious elements Now heavy feeding has a tendency bring about derangement of the digestive organs. The wise feeder prepares the animal system against the steady animal system against the steady and tiring strain which the stuffing process puts on both stomach and nerves He follows the suggestion of Dr. Hess (M. D., D. V. S.), who has formu- lated a prescription in which are found the elements long ago recognized as lated a prescription in which are found the elements long a beneficial in building up and strengthening the digestion. <br> D® HESS STOCK F®OD

 Rough fod dort, which or courre
adding to the proft of tooulng.



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100 \text { Ilss. \$7.00 } 25 \text { llo. pail \$2.00. }
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FREE from the 1st to the loth of each month-Dr. Hess (M. D. in. V. S.)
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Brampton Jerseys



PIne Ridge Jorsoys por obile

 Hish inROV A, J C, C, JERSEYS



GOSSIP.
The late Palermo Sales of pedigree advance made in broeding stockicato on peai grees lines in that country. The chan
 sidered moderato, tor an animal of hit


The noted Clydedale stallion, Baron
son
(10981)
is dead.
Not only the
 dale bread has sustained a serious loes
in the death took place last month ater orser sere at at
tack of inflammation.
Baronson was
 and was got by Baron's Pride out
he noted prize mare prin


 ank as one of the leading breadin,
horses of the day, one of his get bein His amouseny wawor copp winer. oyama


Porter's Golden Fawn St. Lambert and Golden Lad





Linden Oxfords |Farnham farm Oxiord Downs
We have a nice bunch of rams,
two-year-olds, yearlings and ram
two-year-olds, yearlings and ram
lambs for asle. Sired by ohoice imp. Royal-winning ram.
R. JIHINE, DUTTON, ONT

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 Moxy noin orides nampo of

Henry Arkell \& Son, Arkell, Ontario. PURE-BRED DORSET SHEEP My entire flock of 19 young breeding
owes and one stock ram for sale.

## 71 Years Without change meane

 been importing and breeding that Shorthorns followed very soon, that we have portation of Shorthorns, Shropshlires. Clydesdalles and Welah Ponles as good as could be bought. They, with high-class home-bred ones, are forsale, write me. ROBERT MILLER, STOUFFV:LLE, ONTARIO.

## Shropshires and Colswolds|Southolowns



JOHN MILLER,
Broutham P.O. Claromont stn.,C.P.R SPRINGBANK OXFORDS. 20 ram lambsial shearrilna: rams by ant The above are choice and will be sold worth
Whe money. Wh. MAR WET
Fergua, G.T R.\&C.P.R. LIvInE Springe P.O. 40 IMPORTED EMROPSHIRE RAMS land's best flocks Ram lamb of Eng

FOR SALE- Purn shropshire Ram

 xford Down sheop, Shorthorm dattle


Robt. McEwen, Byron, Ont
DEERSKINS
shey are worth money. Well worth your
Ekining and kipping to us Write us.
E. T. CARTER
FAIRVIEW SHROPSHIRE RAME





GOSSIP
DALGETY bros' Cly With an average of three and four fortations a year for over a dozen yeat
among which were a large number show-ring winners in Scotland and ada, and a record for square dealing ox
celled by none, the Messrs. Dalget scotland, enjoy, to the fullest extent, th
confidence of the people. age at which their last year's filly imrapid selling of their stallion importa

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november
THE FARMER'S

| CONSTIPATION <br> Although generally described as some of the organs are deranged <br> liver. It consists of an inability to regularly evacuate the bowels, and as a regular action of the bowels is health, the least irregularity should never be neglected. <br> MILBIIRN'S <br> LaXa-LIVER PILLS <br> have no equal for relieving and curing Constipation, Biliousness, Water Brash, Heartburn, and all Mr. A. B. Bettes <br> writes :-For some years past I C., troubled with chronic constipation and bilious headaches. I tried temporary relief. A friend induced me to try Laxa-Liver Pills, and they cured me completely for $\$ 1.00$, all dealers, or 5 bozes direct on receipt of price The T. Milburn Co., Limited |
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 Oldest established herd in Canada. For sale

 A. A. COLWILLe NEWCABTLE, ONT. Mlaplehurst Hord of Tamworth 8 swine, Bronze
Turkeys, Toulouse Turkeys, Toulouse Geose, Pokin Ducks,
8.-C. W. Leghorns.


 Ohips. Ingpeotion and and corvoponade ence solicitiod.
For further partioularg apply to . DOUGLES BONS, Mitahell, Ont CHESTER WHITE HOGS



 hobert clarke, 41 Cooper street, Othwa, Ont Cedar Lodge Yorkshlres
 rires and dams, vory large and full of
anality. Young stor

f. O. COLlins, Bomeavite

Manotick Sta. C.P. B P.O., Ont.
EAST BA KK HERD, - Large Enillish



 A good quantity of good rich milk for den months in the year is what every
dairyman wants from every cow in the
herd, and a cow that will not do this
is nom

Miscellaneous
EMMENT TANK IN BARN FOR
WINDMILI.
Would a cement tank be all right an
give good satisfaction for a windmill
tank placed in a barn? We have
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Ans.-1. You do not state the M. M.


My cattle began to cough the first oughed more since being sthayled. All hav
born in March, also has the cough.

1. Do you think

DUNROBIN SIOCK FARM Olydosdalee, ronwshanse shorehorns.


$\qquad$ FAIRVIEW BERKSHIRES




Willowdale








 Suin SUNNYMOUNT BERKSHIRES'
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Woune plomeant Tamworths and Holsteins.
CLOBMG-OUT SALE-Oroharal Home
 EERTRAM HOskIM. The Qully P.

1804


THE EUREXA ROOT CUTTER
Fitted with elther slicing or ghredding
 not mash, but oute the roots in thin, natrow,
stris.
write. the eureka planter co., LTD. Woodetook, Ont.,

CONSUMPTION Eoolv Fraee
Hf por koo of any one offerigh from Con
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THE FARMER'S ADVOCATE

A STIMULANT AND MUCH MORE!
Mere stimulants give only fictitious help, and are followed by a reaction

gives more permanent strength, energy and stimulus than anything else. When run down or weary use Booril.
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Purveyors the King.

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When Writing Advertisers Kindly Mention "The Farmer's Advocate."

## "A Drowning Man Will Catch at a Straw."



## drowning man and will © you are

re a person of ability and common sense, but you don't display as much nowledge about your body and its needs as a wooden man.
Why not get right on the subject of Electricity? Why not get right on the subject of Electricity? You know well
enough that what you lack is Vitaity, and animal vitality is nough that what you lack is vitaity, and animal vitality is
Electricity-nothing else. It's this spark of life in your nerve cells, or
What's left of it in your system, that keeps you going. It's the force behind the action of every organ of your
body. It's the life in the blood-the motive power of the heart-stomach-kidneys-liver, and bowels ; it's the body. It's the life in the blood-the motive power of the heart-stom
mainspring of the sexual organism-it's life itself, to the whole body
Dear Sir,-Having passed the critical time in
which I expected to have the Rheumatism return on
me, being a year ago since I was so bad, I thought $I$
six weeks now, and it is wonderful the good it has
I am as well as I expected, and certainly feel that take one drop of medicine.
you continued success in your good work.
W. RFYNOLDS,
My Belt is easy to use put it on whe squandered the savings of years in useless doctorimena
as in old-style belts), and you feel the nerv
CALL TO-DAY!

\section*{Free | Bon |
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| ost |}

if You Can't Call, Send


## BOOK REVIEW

Quelinsland dairy volumi Qe splendid condition whic australian dairy produce, particula , reaches the produce warehouse vision in vogue in thature and suph Empire Tho they do qu ing upon from Part I. of a new volume entitle "The Dairying Industry," published , rinister of Agriculture, and writter b ne of the foremost authorities on subject, G. Sutherland Won, known both in ireat volume of over 275
antipodes. It is a vole well-printed a libe pages, dealing with the milk and crean supply-city, farm and factory-starting with the formation and composition nilk. We notice that the alchor dissenta eachers, to milk with dry hands, advis ing that the hands should be moist which will commend itself to most prac
ical dairymen, who look upon the "dry" process as mostly theoretical
The very brief chapter on the milking machine was evidently written withou and assuming its claimed merits in re
spect to sanitation. Naturally, a great spect to sanitation. Naturally, a great
portion of the work is devoted to the practical steps requisite in the produc
tion of milk of good wholesome quality
and and very properly considerable space to
the details of the milk trade and butter will desire to add this book and Pary
II. When issucd, to their libraries. was published at Brisbane by Watson
Ferguson \& Co hy the well-known house, Crosly, Lo E. C., whose imprint appears upon many of the best modern works on technical
subjects. The price is 10 s. 6 d

## GOSSIP.

Gibb's Woodfield Stock Farm, St Catharines, Ont., advertises for sale in
this issue five richly-bred Scotch Shorthorn bulls; one a yearling, described as
a show bull, the others eight and ten mow bull, the others eight and ten gote the breeding of this offering

Mr. James McArthur, Gobles, Ont., a station on the Hamilton to London branch or R., advertises for six Shorthorn heilers and heifer calves,
and three young bulls about fourteen months old, also three Clydes-
dale mares, one of which is in foal. Both the Shorthorns and the Clydesdales are bescrived as a right good lot, and
be sold very reasonable prices.

Messrs. Wm. Grainger \& Son, Londesboro, Ont., write: "In changing our adsay we consider we are offering as good a lot of young bulls as we ever raised; they are big, strong-boned, growthy fel-
lows,- sired by Aberdeen Hero (imp.) $=28810=$, from first-class milking cows, and are of good color. We aro pleased To H. M. Snell, Londesboro. the im-
Toll ported bull, Aberdeen Hero. He has have some excellent stock from him, and Mr. Snell. To R. C. McGowen, Blyth, the two-year-old heifer, Hawthorne Lass

- 80164 , bv Romeo. 51015 dual-purpose heifer, and will make a he
 heifer), both sired by Aberdeen Hero
(imp.). The bull, Dairy a grod, red, deep-hodied animal on she
logs, with lots of quality, and, no do will make a great sire. His dam is
Ihairvmaid. by Beau Ident Turonto prizewinner. Ideal $=22554=$, a
The heifer is also


[^0]:    vear gonsiderable quantity of Canadian apples are this sorption in the United States, others, probably local abport via American ports. The cors, probaty, tor ex
    Simeoe, Forest and St. Catharines iperative pack at Simeoe, Forest and St. Catharines is finding its marke
    through American buyc a Prough American buyers; while a large proportion of
    Prince Edward County apples will also ko that way

