

Vol. XLVI
LONDON, ONTARIO, SEPTEMBER 7, 1911.
No. 989

## Once You Have Tried

## PURITY FLOUR

You Will Readily Pay the Little More

It May Cost.

That trial sack (which you ought to order this very day) will teach you what Purity Flour is worth to you, as contrasted with an ordinary flour.
PURITY FLOUR is milled from only the kernels of the choicest Manitoba hard wheat-the world's wheat standard.
From the 84 grain elevators which we own and operate, we select the finest wheat of the year's crop. This, at our mills, is so treated that only the most richly-nourishing part of the wheat berry gets into a PURITY sack or a PURITY barrel.
The result is a flour so strong that it produces more bread for the quantity used than ordinary flour.
"MIOREBEBAD \&

Until you have actually tried PURITY FLOUR you may demur at the trifle more it costs you than lower grade flours cost-but your first sack will show you why that seemingly higher price is a real economy for your.

But bulk of product is not all you are to expect of PURITY FLOUR. You are to expect lighter, snowier bread; bread that has the nut-like, sweet, wholesome taste every housewife trie; to put into the bread she bakes.
PURITY FLOUR, moreover, is not merely a bread flour. It is an every-purpose flour. It makes the kind of pastry you can be proud of-cake that invites praise-biscuitsthatsuggestanencore. Not only is PURITY the flour for economy's sake, you see, but the flour for quality baking. Thús, the few extra cents which it may cost you actually in-
 appointmen PURITYFLOUR is the flour you will never be without, once you fully test its unusual merits.
Begin with a small trial sack, if you are dubious. Your grocer can supply you
 PURIIS FIour

1474
"BANNER"
Cold Blast LANTERN Solid Brass Burner. Cannot corrode.


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will start an account. $\$ 2,000,000$ All start an account. $\$ 2,000,000$ Agricultitual Savings\&Loan Co,

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NHE HARMER'S ADOVOCATE


Handles Twelve Tons of Silage an Houn and elevates it forty from $3 / 8$ of an inch to an inch-and-a-half, Yet the Thom's Ensilage Cutter uses no more power an hour
ordinary cutter of then the for filling your silo. Its price is ity. You want this machine


Therer's strength and satisfac.
tion built into every
detail of
Thom's Ensilage Cuttor and Sllo Filler
 an our
tons an
ermen
Equipped with Knives that STAY Shamp
 ostand the racket And is mighty hard to get it out of order
Does Its Work with Least Fuss
drum, for instance, of ten gauge steel. Keep the Thom's ghing bottoni
speed with no fear of a smash. Year

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Please Mention The Advocate


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toronto.
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DEC. 11-15, 1911 RSES, BEEF CATTLE, DAIRY
CATTLE, SHEEP, SWINE,
SEEDS, POU,
\$16,000.00 IN PRIZES Fur Prize Lists apply to
A. P. WESTERVELT, Sec'y, Toronto M/HM $\begin{aligned} & \text { do the 0. A. C. professors } \\ & \text { advocate the use of }\end{aligned}$ proved that it ite? Bectause use of draln
pays.
advocate been
 H. J. KUHN

## LIGHTNING




## Petrolia Chatham

lifetime service. The quality in both is the highest possible-the result of years of wagon-building experience, and the use of the possible-the result of by skilled workmen operating with the finest manufacturing equipment.
Petrolia Wagons are constructed of the finest quality wood stock which is thoroughly seasoned by being air dried. The ironing is of the very best. that they will live up to the I H C standard of excellence or the be made so sent out of the shops. Chatham Wagons
Made with Ward for satisfactory service in Canada and oak or birch hubs-they represent the highest standard of wagon construction. When you buy a Chatham wagon it is with the assurance of getting the utmost service and satisfaction out of it.

Be sure to call on the I H C local agent. Get a pamphlet. Let him show you one of these wagons. If you prefer, write for literature or any other information you want to the International Harvester Company of America at nearest branch house.
EASTERN CANADIAN BRANCHES-International Harvester Company of Americ Hamilton, Ont.; London, Ont.; Montreal, Que.; Ottawa, Ont.; St. John, N. B.
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ve men on a CLAY GATE W it have tried THERE IS A REASON FOR IT.

CANADIAN GATE CO., LTD., GUELPH, ONT. See Our Exhlbit at London and 0ttawa Exhibitions WHEN WRITING ADVERTISERS MENTION THE FARMER'S ADVOCATE


Consult your wife about the new barn. It's your duty, Mr. Reader. She has helped you make a new barn possible. Get her opinion of "Galt" Steel Shingles. She has Find out for yourself what "Gall"" Shingles are made something to you. made-how they lock - how they make a storm, fire-and-lightning-proof and permanent roof.-how they save you money compared with any other building material you can use. Or if your present barn needs a new roof make it a first class barn by putting a "Galt" Roof on 4 . For old
"Galt" Steel Shingles.

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the galt art metal coo himited, o calt, our. Watch for the advertisemento with The Kids from onll
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## EDITORIAL.

How are you preparing to return to the soil that fertility which has been taken from it by
this season's crops?

We trust none of our readers will charge us with "offensive partisanship " if we remark that after all the extra barley threshing this year.

It is impossible to obtain something from nothing. By continuous cropping, we are skimthey will produce, and returning almost nothing o the soil. Such practice cannot endure. No matter how rich
wane in time.

Man's inhumanity to man makes countless thousands mourn. But that is nothing to man's inhumanity toward the dumb beasts that serve him and supply so many of his needs. Most men's Kindness for kindness's sake is still pretty rare. Cven the Christian nations of the world are but partially civilized as yet.

All the modern improvements on threshing machines do not seem to shorten the dinner table very much. Indeed, but for a reduction of hands in the straw mow, it works the other way. Three men user to be sufficient to handle an outfit, but
now that we have traction engines, self-feeders and now that we have traction engines, self-feeders and
blowers, some threshers carry a gang of fourblowers, some threshers carry a gang of four-
one to look after the engine, ganother for the one to look after the engine, panother for the
separator, one to take care of the blower, and a fourth to draw water, etc. It seems the more ippliances we a
onk after them. $\qquad$ n are
An agriculturist, according to Horace Greely's definition, is a person who lives in the city, and Who out of his city business can make money and incidentally have time enough to advise the country farmers in general how to operate and manage farms; while a farmer is a man who ages in the country on his farm, runs and manport himself and family, and incidentally to produce surplus enough to support the city.

It is sometimes argued that a second chamber is necessary to hold radical legislation in check until the people are sure they want it, and that in the end their will prevails. In practical politics this imposes a tremendous handicap upon progressive measures. Even when the will of the peopl, is unimpeded, it is difficult enough to get public oninion aroused to the reforming point on great moral issues where the individual voter is not selfishly concerned. How much more difficult to keep, opinion rouset and steadicy supporiing a party of progress through thick and thin,
amid all the distractions of complex issues and war ring candidates, with " red herrings" galore thrown across the trail! The will of the people ress that it should rule promith: with no irreSponsible second chamber to orpme its measures or selfish landed minorities.

LONDON, ONTARIO, SEPTEMBER 7, 1911 No. 989

Be Careful of the Straw. In the rural grain-growing districts this is the season when the hum of the threshing machine can be heard on every hand. A few years ago, with the old-fashioned carriers, it was necessary to have several men on the stack or in the straw mow to get the straw far enough away to free the carriers; but now, with the machines fitted with wind-stackers, very few men, and very often an in sufficient number, or none at all, are assigned to the caring for the straw, it being considered of little value. A few seasons of abundant mois ture and heary crops of straw have the effect of rendering the farmer somewhat indifferent with regard to the care of this by-product, as it were of his field crops, but a year of short straw, such as many districts have experienced this season makes it necessary that a little more care be most value to the stock and to the farm
Why should straw be carefully handled to keep ion There are two or three very cood reasons for this. Straw that has been cut at the proper stage is of some value as a feed, and since as is the case this season hay and some ther rouchere are a comparatively short crop, it may be nees sary, and in many shor where not may there may be quite an advantage to be gained from feeding a little straw. Straw has a low crude protein and fat content, and is high in fibre or cellulose material; consequently, it to fattening stock, but straw is often quite useful to carry idle or lightly-worked horses over winter, also cattle that are not being milked or fattened In the feeding of a maintenance ration, heat is one of the main requirements of the animal, and the arge amount of energy expended in masticating, dicesting and passing the straw through the alimentary canal appears finally as heat, and helps to keep the body warm. Good straw contains nearly 1 pound of digestible crude protein, between 35 and 40 pounds of digestible carbohydrates, and about one-half pound of fat, to every 100 pounds. lizing constituents, it is of far greater value for this purpose when used to soak up and retain the liquid animal excrement from the stables and sarcs. If for no other reason than its use for his purpocse, it should be caretulty handed and tains a stituents of he total amount of excruta conwithout some substance to soak it wi and hod t, ruuch the most valuable manure is lost Straw is the most effective sponse for the soaking up of this material, and should be handled so as (1) (1) this work most efficiently. aroums the buildinys than a pile of straw just blown into a promiscuous heap, with a number of pears the a small mountain range, and the base arrounderl with loose straw to the depth of cames stack the stralw. Howe are two methods of heeping straw, viz.
ase no rain can gain access to the straw, and it is preserved in as good a condtion as when harvested. A fittle more dust will be held in it than where the straw is blown out on a stack, ever straw anm are stack some ter advice than do it as carefully as you would a hay stack. Build it, tramp it, and take every possible procaution to save it for water-soaked straw is of much less feeding value than good dry straw, loses some of its fertilizing value, and is iquid excrement so valuable as a manure, and is thus of little value for anything. If straw is of comparatively little value as a feed, it is all the ore reason why it should be carefully handled, and the most made out of it both for feed and to prevent loss of valuable fertilizer.

Take a Course in Agriculture.
The time for the opening of the schools and ollemes is fast approaching, and many young men now on the farms are considering the advisability taking a college course. The young student the young student nu enter upon a college or universily of stucy it would be best for him to follow. the farm to get an education, and most of them 60 the universitis, where they receive a inc which does not tend to rive them the best impressions of farming as a profession. To the boy or young man who has any liking for the hurm, Jho education which will be of practical use to him in the advancement of things pertaining to agricul ture, no better course can be recommended than that which is outlined by the agricultural colleges. The great variety of problems which are involved in scientific agriculture makes it necessary that the person who chooses this as his life occupation have a wide and varied experience and knowledge in order to make the most out of it financially. But, apart altogether from things financial, the knowledge obtained whll be of great value, because it enables the person to understand and apureciate the different phenomena of nature, as well as giving an insight into why certain Chings are so. Many of us know that various practices have given certain results, but few stop to ask why. It is when the man develops an inquiring mind that he begins to be a student. The agricultural college is a good place to arouse the industrious student leaves $t_{1}$ ) put into practice what he has learned 1 college course is merely commencement in elucation Its aim is to start people in the fight direction and prepare them for their life Vork, throughout which the ferson should be al ways learning something new. It is a sad case where edlucation ceases when the college is left be hind. A!l agree that a college course is a good thins. and, before entering upon it weigh the matter thoroughls. and, where conditions warrant it, take a course in arriculture. It is one of the
most inexhanstifle fhasses of learning, and will

## The Farmer's Advocate and Home Magazine. the leading agricultural journal

the withlished webkly by WELD COMPANY (Limited) john weld, manager.
Asento for "The Farmerisis Avocan











2. LETTRRS intended for pablication should be written on on
11. ala Noir or mip ress






Adress-THE FARMER'S
ANY (LITITED)
HORSES.
Four of the most important parts of the horse
are the feet, pasterns, shoulders and hocks,
Strive to profuce the first-class animal. The
really " top notcher " is always the will find ready sale, at a high price. horse that
It might be a good time just now to buy a few
horses to fit for sale. The market horses to fit for sale. The market demand is
just a litte quiet during, this ofi season, and they
can be boubt

When buying a horse, insist upon seeing him
move at the move at the trot. Man animals will show ham
fairly good gait at the walk, but are disappoint.
ind ing when asked to go faster. Buying a lame horse is always risky, and is
especially to those not well versent in the causes especialy to those not well versed in the causes
and treatment of the lameness a dangerous prac
tice. Irregular feeding, both as to time and quan
tity is one of the quickest and surest methods on tity in one of the quickest and surest methods of
injuring the horses digestion, and consequently
impuring her impairing his usefulness.

Never rush the horse into heavy work inmue-
diately following a liberal feed. moter of his energy, leaving leed. The work tathes
digestion of the food. The slope of the pastern and the obliquity of stands the pounding to which it it how the foot the hard roads and pavements.

Where it has not been possible to get the mare
bred sooner, rather than miss the chanco ting a foal next year, breed her to produce o fall
foal. Mares give the best satisfaction as broeders when kept breeding each year.
,

A horse will not live on concentrated feed ment, and that the roughage is largely used as a
filler.

Every horse-owner likes a horse of good dis areat. This is largely bred in the animal, but treatment. A horse roughly used will care and velop a nervous, restless, and often even an ugly haracter, while a horse which has a somewhat proved by kind treatment him may be much im-

Coarse hair on a draft horse's legs is an indicomparatively soft, spongy bone which will not stand the hard strain to which it is subjected, as panies fine, silky hair.

Insist upon the shoer taking pains with his
work, and do shoe, but rather the shoe to the foot. Many a good foot has been ruined by careless and im-
proper shoeing. Level roads are sometimes hard on the driving
horse, because inconsiderate drivers expect them to trot at a fast pace all the time, believing them to is only up or down hill that the horse should be and with greater ease, if the animal is allowed to
mix the

## Should the Stallion Work

 velopment of an animal, exercise or work at the best suited is necessary. In trottine animal is horses, it is conceded by most students that fast develop the greatest possible in fact, essential-to Breeders and promoters of race-horses the progeny. had never shown by actual performance that wich is necessary that the light stallion te if race in order that great speed may be developed,why is it not equally important that the sire in tended to produce drafters be made to do some
of this work to devel contend that speed and draft power ? You may characters, and cannot be transmitted to the offspring, but, when speed or draft power are de-
veloped from generation veloped from generation to generation, it is rea
sonable to conclude that they become so estah
lished lished as to affect the germ plasm or the estabductive cell, and that thus the character is passed
on, not exactly as an acauire In the spring, for a few. are busy preparing their months, stallion owners Have you weaned the lambs yet? Many ownEvery effort is put forth to place the horse in the They get very little nourishment irom too long. most attractive condition and hest bloom possible. their incessant endeavor to get milk from scantuly
But, after the season is over, and during the late suplied udders is a great annoyance to tho ewn
summer and summer and fall, what becomes of the stallion late mer? In many caring the spring and early sumceiving stall or a little or no pill be found in a small,
cexercise where he is redown, trooming has exercise, his ration is cut to take care of himself. This treatment has a marked reaction on the horse, which is suddenly
reduced from the best of care and high feeding
with considerable best? The draft stallion is Is such treatment
draft horses, and, to be ahle to sire de a sire of
must he a superior draft horse himself, he Tnlst he a superior draft horse himself. Can he is cabbace. It is especially bye the sheen that
be this if he does not receive reable throughout the year? During the regular exercise stock. Rape is and and for the pens of show the he has heen weil cared for and highly fed, and parpose, and either one of them is fexcellent for fall
the matings make such demands on his vitire flock. seacon that be should not work; but when the work, not heavy labor, but enough to reep his
mind employed and divert mind employed and divert his great amount his $\qquad$
$\qquad$change whon the season, is so great is the practiced yearly.chance to in his little stall, without any
abormal conditions. Naturnt on hy the to pet the best results, the sow she comming, and,
We horse should receive such treatment. It is litter at least a week before the kept with the will nots. Maten heary stallions are laze laz-
$\qquad$
nd hy so dosine h.
same time will be paying for his keep by the
work he is doing.
Every stallion that is to sire draft horses should be capable himself of doing the wir that it will be necessary for his offspring to work horse, according to his size and the work a is doing. Hard muscles, health and vigor are that are required in the open air, and it is these in condition throughout the year is sure kept a stronger, more virile animal than one kept under unfavorable conditions for the greater part of the year, and then highly fed and exercised throughthe resting, uncared-for state as soon as this over, treatment which he may stand for a time but which is in the end bound to impair his useTher working the stallion logical argument in favor of him contented, develops his muscle, allows him to pay for his keep during the off season, keeps his
general health good, does not allow him ome fat or flabby, a condition which ruins be a good draft sire ; keeps him vigorous and robust, and in a condition to go into service the
following season with a better chance of following season with a better chance of getting a
large number of good strong foals. Put the stal

## LIVE STOCK.

Replace the unsatisfactory $\left.\begin{array}{c}\text { individuals with } \\ \text { young animals of the best type. High-priced feed }\end{array}\right]$ is too expensive to feed to poor-doing stock.

A dry summer, with burnt pastures, always has a
cattle.

At this season of the year many breeders ar on the look-out for new sires. Never buy an in few extra dollars invested in a on the price. A
money spent to the bire will be co spent to the best adrantage.
ing The spring calves will, by this time, be show and make good of their ability to grow rapidly
the hest should the hest should be kent as breeders, and the
weedy specimens discarded

Don't forget that
part in the economic feeding plays an important be removed from the stables recrularly. It should soil should either be immediately applied to soil or stored where there is as little danger as and keeps her from gaining in flesh.

Place the ewes on fresh pasture, and, if neces-
sary, feed them a little arain have them in good condition and thriving pass to stronger lambs wine ram in with them. Wing at the run down in flech result than from ewes thin and Few feeds are relished more lambs after weaning and for the vens aluale for the
stock. Rape is andy Too not sell off all the lambs. Keen a The best ewes to fill the places in the flock made
vacant thy the discarding of some of the of trons that have outlived their usefulness as brea-
ers. This weeding out and building

SEPTEMBER 7, 1911
 pigs are lost by becoming overfat, Many young
cause, coupled with lack of exercise. In pasturing hogs, whether it he on rape,
clover or other pasture, it is gencrally found ad crover or other pasture, it is gencraily found ad-
vantageous to use hurdies. In this way the pigs
are kept clean, and their feed is also kept fresh are kept clean, and their feed is also kept fresh,
and not so much is lost from taint or becoming stale, due to the animals tramping over it and
depositing excreta.

## A Good Sipe Invaluable.

 The real value of an exceptionally high-classsire cannot be definitely estimated sire cannot be definitely estimated. It is some-
thing which lives not for one generation only thing which lives not for one generation only, but
is an intluence which will be apparent for years to come. The Clydesdale breed of horses has had several outstanding sires, such as Prince of Wales,
Darnley, Baron's Pride, etc., and their progeny have been in many cases great animals, which have passed on generation after generation their
superior qualities. Who can estimate the value superior qualities. Who can estimate the value
of these sires to the breed? Every breed of live stock has its notable sires, animals which have been largely responsible for the high degree of excellence that the respective breeds have attained.
In fact, it is only the best sires that count for anything in the making and improving of the that one of indifierent breeding value is capable of doing just as much harm in the stud, herd or not get away from inheritance in breeding, and
just as surely as a defective sire is used, so surely will his same defects show in his offispring, and The kind of sires that the breeder uses the strain. what his success will be in his business, and dood success can only come from the use of the very
best obtainable males Do not think that one good sire is all that is necessary; that will only lasefulness is over, his place should always be filled by one of better conformation and breeding. Fol-
low a system of improvement in selecting sires, Low a system of improvement in selecting sires,
and never deviate irom it. Fix in your mind the type required, and stick to it until it is a reali

More About Tuberculosis.
The Royal Commission, appointed to inquire into the relations of Human and Animal Tuber
culosis found that the milk of tuberculous cow culosis found that the milk of tuberculous cows
not containing bacilli as it leaves the udder, may and irequently does become infective by being con-
taminated with the facces or uterime discharges of faminated with the fæces or uterine discharges of
such diseased animals. Measures for securing the such diseased animals. Measures for securing the
prevention of ingestion of living bovine tubercle
bacillit with milk would greatly reduce the number of cases of abdominal and cervical gland tubercu-
losis in children, and such measures should include the exclusion from the food supply of the milk of the recognizably tuberculous cow, irrespecudder or in the internal organs. This goes to
show the need of sanitary conditions in the stable, as well as the danger from cows affected with this
loathsome disease. Stockmen and dairymen can-
not he too caraful. not be too careful, in buying new stock, not to
get diseased animals; and, in the care of the milk, every possible effort should be put forth that
milk which mav be free from germs the moment It leaves the udder, does not, by reason of care-
lessness, filth, or bad handlink, become laden with lessness, filth, or bad handling, become laden with
these deadly organisms, and thus imperil the life

The Hog Deserves Good Feed. The hog makes a profit for his owner by payfeed. Some persons seem to think that the main Tmirpose of the hog is to utilize waste and un-
salable products. Where such substances are on hand, it is good practice to feed them to the pigs. other and more valuable feeds, it is advisable to keep more of them, and not confine the hog indusrial. Not only should more hogs be kept, but
better hogs, and better methols of feeding and management should be followed.

Reliable Information.




THE FARMER'S ADVOCATE

land by keeping the top soil loose. This top
soil, if loose, will not absorb the water below, no matter how much the hot winds blow over it.
I.et it become hard, and capillarity sets in. Main fter heavy mains and is after heavy rains, and is a labor that the farmer in humid regions would probably avoid, no matter Summer-fallow or tillage is the third principle. In a general way, this means keeping a tract of land mulched and tilled for one or more seasons hefore planting, it to a crop. The object age is to keep down the weeds, which are Tillwater consumers, and to maintain the mulch that will hold the water in the soil. This is a practice becoming very common in the wheat regions of Western Canada, where land is cheap and can Subsoil packing is particularly advocated by H . is Comptimes after whom the dry-farming business sometimes named. This is pressing the overis to set up capilliarity, and the other to gain firm seed-bed. It is particularly advantageous where the soil is very light. A simple illustraing. as some neople me confused and subsoil packof loosening the soil in one instance and packing it in the other. Take a lump of sugar and soak lump upon it lifehtly the subsoil. Lay a second gromin. Water from the lower lump of sugar will not hegin to rise in the second lump until it is pressed down. The subsoil packer is supposed to Now take a bit of powdered sugar and

$$
\begin{aligned}
& \text { Wadered sugar and } \\
& \text { sprinkle over the } \\
& \text { top lump, and the }
\end{aligned}
$$



Beckingham Czarina
has been persistent and energetic, and to-day th
Congress is the largest volunteer gathering each year in the West. It has a membership of 15,000 paid-up subscribers, and branches in
Brazil, Australia, South Arica ada. Also, it now maintains a big exposition of dry-farmed products each fall. The exposition and the headquarters of the Congress always fol-
low the place selected for the annual meeting and it may be of interest to state that Lethbridge Almerta, expects to capture the next Congress, and It is the declaration of dry-farming direction.
It a ding a consider that the practices are as applicable and necessats in humid regions as they are on the dry lands nart of the world such as was witnessed in a large fect if the land was farmed as the have little ef should be. An examination of the tenets of the Weep plowint seems to be the cardinal principle, and the reason is that the humus or veretable to rot, and as many inches of under soil should be brought to the air and sunshine as possible. Also, deep plowing furnishes a greater reservoir for catching and holding the water that falls.
The principal plan advanced for holding this water is by "mulchinc." The soil heneath a log that has lone lain on the ground is moist, for the mason that the wind and sun have not been able
to reach and evaporate the water. That tutes a mulch, and the dry-farmers are able to
show that this can he done over a large area of
$\rightarrow \begin{gathered}\text { grow in peanut. } \\ \text { desert soil ast and }\end{gathered}$ furnish both hay and iattening rations for stock propagated. It corn, and even fruits are being
develo to be merely a question of seveloping plants and seeds suited to short seaSons and the variations of allitude and latitude, able speed. It is saill that 35 per cent. of the tillable land of the earth now feeds the people under humid conditions. If the contentions of the dry-farming
theorists are right, then this same twice as many, because in very few regions do the farmers take out half that could be taken, and put back only a small portion of what they take
out. Many of the new soils of the western out. Many of the new soils of the Western world
are said to be worn out; and yet there are other lands where the soil has been farmed for thousands of years. So the dry-farmers advocate rotation oil or restoring it. There are lessons in this that the man located rixht in the growing season may take to comes just kows there may be a time when the hains fall; various kinds; that he should give to every farming operation all the thought and effort that he is capable of. So there may be profit in getting
in touch with these Iry-farmers, intense, agres sive as they are in disserminating the doctrine.
Of course, the best way would be to go to the
Con Congress itself,
The Women's Congress is the outgrowth of
former President. Roosevelt's rural-life commission

That body visited all sections of the United States three vears ago, and then reported that reforms
must start. in the home life. The women in the
Congress have taken this asked mernbers of the Commission and others to lead the discussions on a four days' programme
These discussions will be watched to determine if any practical results with interest to them. Unquestionably, the farm women have their prohlems, but how much can a Congress do
to settle them? to settle them?
and Alberta will send Pro Taber and Tethbridge will send Board of Trad exhibits. ministers of Agriculture, J. E. Caron, and Duncan Marshall, of Alberta, are expected to attend the Congress. H. S. ROGERS, Manager Publicity Department.

## Red Clover.

" Red Clover"" is the title of a bulletin issued and written by J. M. Westgate and F. H. Hillman, of the Bureau of Plant Industry.
Red clover is said to be the corser agriculture in the North Central and Eastern States, and what is true of them is also true of a large section of Canada. It has at least four
uses on the farm, viz., as a hay crop crop, a soiling crop, or a crop for green manure ing. The most serious problem confronting the farmer in many clover sections is the increasing clover on successfully maintaining stands of a depletion of the soil humus and plant food which increases the difficulty of growing clover. This is a condition which must be solved, because to a run-down farm. The mere introduction red clover into the farm rotation is not in itself sufficient procedure to maintain indefinitely the productivity of the farm. The clover plant adds
nitrogen, which stimulates the soil to incresed yields temporarily, but other fertilizer must be added, or the field will eventually be depleted in fertility
To get a good stand of the crop, it is neces-
sary to sow only the best of seed. Good plump brignt, medium to large-sized, uniform seed, free from adulterants or any kind of noxious weed seeds, is the only kind to rely upon to produce a
crop. Home-grown seed has sen It is suited to the climatic conditions, does not cordain impurities foreign to the neighborhood and can be selected from fields known to be clean. unknown origin that noxious weeds are not intro duced, and too much care cannot be exercised in cleaning and preparing the seed for sowing. It is generally advisable, before sowing, to make counted number of seeds between the placing damp blotting paper, and the amount of true clover germinating is easily determined.
Red clover will grow on any deep soil that has in it sufficient nitrogen to start the young plants, does not succeed on wet, poorly-drained or boggy be supplied with nitrocen-gathering bact it must its supplied with nitrogen-gathering bacteria on
its roots. On soil on which clover has been pre viously grown, inoculation is not necessary, but
where the land has not previously clover cro and has not previously produced a This can be accomplished by using a pure culture of these organisms, or by transferring soil conbeen successfully grown, to the newly-seeded field, The seeding is usually done with a nurse crop method has two allantages. The grain crop is produced, avoiding the loss of the use of the land
for a season, and the stubble serves as a protec tion during the winter.
In the Northern States some farmers pract a
seedine the spring until Alygust 15 th, and time from carly favorably on red clover at any time. acts sers high. is often beneficial when the clower bethe the same season, as the pousture sprine seovimg by such practice. Coomiong red clower himily crop is usually cut for hay, and the secon! arot
which contain a larger percentage of protein than
the stems, it makies the best of hay. It makes an excellent pasture for all classes of stock, and tein content. It is not advisable to use it for silage where it can be pastured or made into good hay, but, in cases of inclement weather at haying corn. It is a tures with other clovers and grasses, and works in well with short rotations, where it aids in keeping up soll fertility, and the roots, besides dition.
In handling clover for seed, the first crop must be cut early. Only a medium growth of the plant best seed. Clipping the clover after early summer pasturing is a good practice where seed is the main crop grow,n. This insures a seed crop which will mature better and more evenly, and to some
extent avoids the ravages of injurious insects. Under normal conditions clover should or seed when most of the heads have turned dark brown and a large percentage of the seed has reached the dough stage. If left too late, the light, shrivelled seed will likely result. Some framers use a mower, with a buncher attached; others use a self-rake reaper, which proves very down and rake it up like hay. It is necessary that the crop be well dried before it is hauled. will not thresh well. The only thoroughly huller. It machine to thresh clover is the clover thresher having a clover attachment, but this is less satisiactory. Dry or cold weather is necessary for best results, as a humid atmosphere
toughens the clover. and the sead is The straw is clover, and the seed is hard to hull leed after being threshed, but cattle and sheep will pick it over, and it may be scattered back on the fields or used as an absorbent for liquid

Creosoting Posts and silo Staves
ditor "The Farmer's Advocate ": bers appeared, in "' The Farmer's Advece tim January 5 th, 1911 , I have received inquiries, the
answers to which may be interesting and useful to ther readers

1. We are splitting 200 fence posts, mostly preservative treatment posts of white oak. What ould you apply it? n the inside of a plank silo ? Ans. -1 . Chestnut and white oak are naturally treatment is to allow the idea of preservative such as poplar allow the use of cheap woods, them as serviceable as the maple, and to render nut and oak. But, as one year's extra life is pay to treat these the cos
to purchase the anparat posts, you may not care issue of this journal. In this case it would he notter to use the "brush treatment,", which, while

the bark off. (Oil applied to to ghly seasoned, with opening up crachs throsts check in drying, thus Zone, and enabling the germs of the antiseptic hess to the interior of the of decay to gain monthe. Set until well seasonell for at least three monthe. (hechs in seasonell posts are closed by
rain, ainl if the posts are wet when trate
choclics dry, and exprose unt then reopen when the posts sotor 200 " posts, buy aholur 25 , gallons of crensote, "r " "lead oil of tar," as it may be known shomb hre procurathe through handware stores, and pilen un shids clear of the daromin. Wave them honch anserine the whole butt to a wistance of
 and
$\qquad$
ach, allowing for labor. This cost would easily 2. The treatment recommended above fort. would be best for the staves of a wooden silo nuch exposed to decay, oxpensive, and is very and heat of the silage, it would certainly pay to Buy one gallon of creosote for every thirty square feet of surface to be treated. This is suf-
ficient for two coats. Apply in the same as directed for posts. Wherever it is desired $t$ give the creosote a color, mix with each gallon gether to ten ounces of color ground in oil, tolinseed oil.

Something More About Stooking.
its good feature of "The Farmer's Advocate of a question. This the discussion of all phases matter now under discussion. In your in your in the August 24th, a correspondent, under the title to one purnose of stooking grain, namely drying of the sheaves, in order that they may be If this were the mow in a wholesome condition the present writer' would enter no word of protest, But is drying of the sheaves the only object in stooking? Surely not. The main reason for
stooking the sheaves is the full maturing grain. For various reasons, grain is cut the still somewhat immature, the farmer knowing that there is sufficient nourishment in the straw to bring the grain to maturity. Since the maturing
of the grain is so important a consider not important that the sap should be absorbed by the maturing grain, rather than evaporated rapid Leaving the grain exposure to the sun and wind? tected from the harvest sun and wind is unprobest method of unduly hastening this hurtful evaporation. Further, it is important that the grain in the sheaf should mature uniformly, and
this it cannot do when one-half of the sheaf is exposed to the sun, and the other exposed to the moisture of the ground. Further, there is one
stage in the work stage in the work of stooking that is very impor-
tant, though too often neglected the stook. Capping prevents too ready, capping tion going on in the whole or part of the shoahead, and thus permits the grain to mature, rather tage of developmet remain deprived of its last the grain to test well. Capping the stooks causes bedtliny one, the cap-sheaves will be beneficial in the value of such a benefit. any farmer knows has put your readers under a debt of correspondent This articlention to the importance of stooking this article simply emphasizes another aspect of

## POULTRY.

Blackhead in Turkeys
time to time about this disease this office from from $A$. (iilhert's address on this subject be-
fore the select standing committe on agriculture and colonization may be of value to some of our
". Blackhead is a disease that has caused by everms part of the world. Blackhead is ascendancy over the vitality peermitted to gain ong as the turkeys are strong and vigorous, they
were able to contend against this the areless inbreeding, neglect of as the result of ens, cows and turkeys on the same piece of weakened to such an extent that theys has been
sist the onslanght of the discase
curn sist the onslanght of the disease. There is no
cure for blackhead, except to weed out the birds
that ar. attucleal. that are attackedl, by it, bring in new stock, clean
up the premises, and create sanitary conditen that will foster the crowth of the turkeys."
The symptoms of the disease are as follows. 1. Wack of appetite, wealness, emaciation. This diarrheat is causen usually from the first.

[^0]3. Half sthpore, with an inclination to keep
way from the rest of the tlacl . the "n most instancess discolloration of the head
$\qquad$
so if the season be damp. Young turkeys are iiled for. This is being done by hatching chick-
most susceptible, although the disease attacks tur- ens late in Alyuss or in sentember
 presents a truly pitiable appearanco Mr. Gilbert. Some neans or checking the disease have been found, but nothing has been discovered
so far which could be positively stated to be a sure proventive. Too much stress cannot possibly
be laid upon cleanliness. vented by rigid methods. of cleans mass, but, pre- in
spite of all that this particular disense is spite of all that, this particular disease is so
widespread that we have every reason to believe that it is not confined to turkeys, but some authorities say that it is also found in fowls and 1. Careful inspection of all new stock. The
new stock should be purchased where the disense new stock should ite purchased
2. The turkeys should be kept, if at all pos-
sible, by themselves.
Give them fresh every two years. observation. A bird showing the slightest sign
of sickness should at once be isolated and closely watched.
4. Yards and premises should be kept free as English sparrows, and the poultry the Rhode Island Station that these rodents carr the parasite. slowly Heavy feeding doe the suiden death of a bird in which the disease is present if a bird dies of blackhead, it should be
b.
or
promptly burned or buried. better to he burned promptly burned or buried; better to be burned.
Some Recommended Remedies.-As previously Some Recommended Remedies.-As previously
stated advanced cases of blackhead are considered to attempt to cure and badly-affected bird Baynes, of the Agricultural College, Truro of S recommends the following remedies

1. Sulphur 5 grains, sulphate and sulphate of quinine 3 grains.
2. Bensob-napthol 1 grain, salycilate of soda 1

Another remedy is 1 teaspoonful of muriatic acid to a pint of drinking water.
In each of the three former cases the dose should be administered at night, or, in acute cases. night and morning pay particular attention to the turkey or al mant to time, and, in case any suspicion of the pres ence of the disease is aroused, such birds should be immediately isolated from the flock and treated,
and the poultry houses should be disinfected, and and the poultry houses should be disinectea, an
everything possible done to promote the health o

Getting Ready for the Big Prices The wide-awake poultryman is busy getting his
hens ready for winter lay ing, and making prepa rations for his hatching egrs ior next season.
For one thing, he has separated the pullets from
俍 the cockerels. The best cockerels, from which he hopes to make his selections for breeders are in
pen by themselves, reserved for further culling, The obviously inferior cockerels that have already
manifested their unfitness for breeding are being manifested their unfitness for breeding are being
fattenet, either in the fattening coop or in somee
cool, dark, well-ventilated quarters, where they cool, dark, well-ventilated quarters, where they
remain ractically undisturbed. The old hens are similarly situated. for old hens are not paying
winter Iayers. The pullets are being fed all they they
can stand of a cood ration composed largely of oats, either whole or , \&round. Plenty of pure
water and grit and oyster shell are well within water and grit and oyster-shell are well Wint
reach. Shate is to be had in abundance. Plenty
Ple tust-bath, and, as important a thing as anything,
the house is being thorought cleaned and sprayed and coal oil It will why to take down nests,
and
ronts feed boxes, dust boxes, and everything else movable, and spray and wash, twice, at Ieast, this thorough spraving been done. The droppings board has been thoroughly repaired, and evers
leak in the roof has been repaired. The venti


 built up a vigorous, large frame, putting them into the coop, and rushing theme, porward as quickly as profits in poultry. These are the days to get ready for

## Electrical Incubation

Our Australian correspondent writes that some
inter at Hawkesbury Agricultural College, N. S. W., re garding the application of electricty to egg incu-
betion. It is proved conclusively that the chicks so hatched are much stronger than those produced by lamp incubation. The heat in the incubator is generated by allowing the current to pass
through a great length of fine wire, which offers considerable resistence to the flow of electricity. This wire is passed through the incubator or
brooder. As there is only hrooder. As there is only a slight warming,
there is no danger of fire. The wire can be so arranged as to give both top and bottom heat. It was found that in the electric machine the chicks chipped and left the shell in from one-half to one third the time occupied in the lamp incu-
bator. The college had no cases of chicks chipping and being unable to leave the shell, nor any cases of the shell sticking to the chicks, in the electric machine. The chicks left the machine and
dried quickly, and were lively and strong from the moment of birth. This was so much in evidence in comparison with the lamp incubator that during the second test it was decided to examine all eggs thrown out by the fertility test. An exami-
nation of these eggs showed that only two-one from each machine were really infertile. In all other cases the germ had started. The average
age of the embryo with the electrically-treated eggs was three to five days; with the lamp eggs. not above two days. The expert in charge thinks that if the electric machines will carry the enibryo further than the lamp, that it is quite maturity, and thus greatly increase the percentage of the hatch. Trials will, therefore, be made in that direction. He is inclined to think that the
quality of the air used in the ventilation will prove the most important factor in the results, direct effect. In this year's experiments the college will (1) run an oil engine, an electric ma-
chine. and broody hens, in comparison; the growth of the chicks will be watched up to six months. (2) test the value of a fluctuating temperature in the incubator; (3) test the value of air drawn
from outside the incubator room for ventilation: and (4) test the effect of minute traces of kerosene and lamp fumes on the chick-embryo during the first six days of its development.
[Note.- Electric incubation has been tried a the Dominion Experimental Farms, where A. Giibert, the Poultry Manager, reports it a suc-
cess. It has never been tried at the Poultry De
partment of the Ontario Agricultural College be partment of the Ontario Agricultural College, be allse of the uncertain electric current there. Pro
Efford of Macdonald College, tried electrical incu bators for several years, but the results were no encouraging, and the same results were obtained at Montana Agricultural College. The results, o
the whole, seem to be rather varied, and, consid ering that farmers as a rule do not have elec tricity-and if they did, very few of them are me chanical enough to manipulate one of these m not come into general use for some time you However, further experiments in this direction wi
be watcher with some interest" by poultrymen.

## Production of Winter Eggs.

 It will he well for poultrymen to realize soonmust imitate, as nearly as possible, natural con he summer hen, when running abroad during to make the yolk and white of the egg, lime to make shell. grit to grind up the food in her giz firt, which means exercise. She keens her body almost free from lice by vigorously dusting in dry and fine earth, preforably road dust. Sheexhinits a decided preference for ronsting in the hranches of trees, where she can have plenty of
irech nir, rather than going into a stuffy poultry house, and the forecoing should be a lesson as ta
the protur frelling treatment and housing of birds. The neaper the natural condition is approache
and for pullets add 1 part of corn meal. A dis tinction is made between the feed of hens and the pullet may make hens between 18 month with 2 years old too fat. A whole-grain ration which has been found to be a good egg producer is one third wheat, one-third buckwheat, and one-third oats, fed in conjunction with roots, cut bone and
grit, at the rate of 3 to 5 pounds per day to 24 grit, at the rate of 3 to 5 pounds per day to 24
hens. Another good ration is wheat or buckwheat house or scratching-shed in theor of the poultry ten pounds to 100 hens. At noon feed steamed lawn clippings or clover hay three or four times per week; and, if thought necessary, give, in adshould also be scattered in the litter. Mish composed of such ground grains as are most abundant, with waste of kitchen and table. Mix these ounces to each hen. Shorts 2 parts, ground three 1 part, and corn meal 1 part, ground and mixed with one part of meat meal, have been found ef-
The following points are indispensable in the procuction of eggs
Rations should the varied, and fed regular-
from the best egg-layers of a prolific, egg-laying
srain ol dry, kept scrupulously clean, be wholesome and with the hens cleanly fed, and the nests equally

In all cases, grain should be scattered in the litter on the floor in small quantity morning and pullets can be given cracked corn at one of the daily grain rations. Cut green bone in proportion of 1 pound to 15 or 16 hens every second day, should not be omitted. With a good, generous ration, aim and object should be to keep the fowls in robust condition, and, to do this, grit, fresh air, cesse, good clean feed, and clean buildings, are The Production of Eggs in Winter

## Saving Money on Farm Eggs.

Improper and antiquated methods of handling ggs in the United States result in losses that This is 17 per cent of the estimated total of the entire crop. Practically all this loss is borne by farmers and other producers, and a large part of it can be prevented. How the DeAniment of Agriculture, through its Bureau of in Bulletin 141, iust issued entitled "A ' ow this loss might be prevented, the Bureau of Animal Industry last year sent experts into Kansas to conduct investigagiven in detail in the bulletin, with suggostion for improvement that might be applied anywhere "Although but one season has been spent by the Bureau in this work, says the bulletin, "s severThe most important of these was the adot about the shippers of the 'loss-off' system of buying Previous to the work of the Bureau, Kansas
eggs were not very popular in the markets eggs were not very popular in the markets out-
side the State.
Quantity, rather than quality was a handicap the shippers encountered. The immediate effect of buying on a "loss-off" system proiluced such a marked change in the quality of the eggs reaching the market that outside
buyers now manifest a preference for eggs bought in this manner.
Copies of the bulletin may be procured by adIressing a requyest to the Secretary of Agriculture

The Best Published
" "The Farmer's Advocate" has been taken in
$\qquad$
$\qquad$
$\qquad$

Rnclosed , wease find remittance covering my re-
newal, and also a year's subseription for one new
subscriber. $I$ amm making this party a present
$\qquad$
$\qquad$


SEPTEMBER 7, 191
THE HFARMER'S ADVOCATE
ter of costly raiment.

Fall Wheat
Enis week w few suggestions, inspired by time seeding, and ber for wheat, in a recent issue, may be ap
propriate. The summer-fallow has been looked that a rich pea stubble is about equally I claim too often it is left till the last, even till after the summer-fallow has been attended to, and, there
fore, the surface soil is dry and condition to start a quick and healthy and in no
Taking it fowth. or pea stubble has had nearly the summer-fallow tended bestowed upon it, go over it with the disk, running disks nearly straight, which will cut
to the bottom, and tends to compact it than any other implement I know of, more espe with the common toothed harrow. then go over being prepared, treat the wheat with formalde penetrato and kill all smut spores, or put mheat formaldehyde in fifty gallons solution of one pint the wheat thoroughly of all smut piles or bunt from end of shoe, fill hopper and six inches to let an even flow over the chess board. passage of the piles or grains of smut. Take all and put on enough pressure to blow a every partice,
of smut over the shoe it is better to hlow a fair percentage of wind, as in the seed, the spores of which smut balls left stroved by this process. Fill into a hemp degunny sack, dip in solution, and leave for two flow will go back into the tub. As soon that the sible, spread it on the barn floor, so it will dry up quickly. The seed must be thoroughly dry
when put into the drill. If at all swollen or set accordingly After sowing, oller, crosswise of the drilling. This packs the earth round the seed, which will sprout fairly only a few spindly stalks would where otherwise harrow once over the same way as drilled. This vaporation

## The Hired Man's Side

Eadtor "The Farrer's Advocate":
I have frequently noticed in your columns le ters from farmers seeking a solution of the scar
city-of-labor problem, and have often wondered
Why why some hired man has not written on the subject. In consequence, a little spirit moves me $t$
write a few lines, on the off chance oi your pub (1) edy lies with thi the irst place, surely the rem to lose sight of the fact that a hired man is only a human being, of the same clay as themselves,
and not a machine on the perpetual-motion sys tem. I have only been in perpetual-motion syslaborer, and am heartily sick, not of farm a farm of the arrogant and supercilious manner in which
the average farmer and his family treat the hired man They have the inea that to matter where ways one better than what he has beem used to. some farmers would be more at home with a
white coat on, bossing a gang, of slaves with a long whip, as they seem to think that, in hiring a man
tor a length of time, they have bught him body
and sont, insteard of just hiring his physical strength, and that their soie huty is to keep his
coce on the print
 farm forever. Well, I will cut a lon, story short
and finish up with a few words: Treat your man roush; see that his food is whollesome with the stantial. and see that this bed anol heelroom ane-
such that you would not be ashamed if, by any chance, your visitors should happen to peep at
thmom. Surely these sumgestions are not wnreasonahlo. Follow them out. and then rechaps you
will not experience any dificulty in keppins a man
in the

[^1]
## An Employer's View Point.

A great deal has been and is being said regard ing the help question in this fair Canada of ours,
and it certainly is a fact that, to get all the help
one nereds, is onh needs, is sometimes out of the question; but
what arouses the blood of an employer is just What arouses the blood of an employer is just
such lanuuare as " Rube " has used in his letter
of to be one always supposed the County of Oxford certainly is far short of it if "Rube " tells the
truth, which I very much doubt there is a farmer in Oxford that Ioes not believe order about his work, or that would ill-treat his
help in an the right kind is not thas the right kind; and twenty-five men in twelve years and work for goot point in any of them. It is evident that such men are of little use on a farm, and especialhustlers, as they have trord, where the men are as the most of them have. The writer ige farms nd Norfork County, has been for forty yearmand never saw one of the things "Rube ", writes
about. The farmers here are reasonable. anderstanding, and know how to treat their help them, and can hire them as long as they want They qet un at five o'clock in in the tho nexning, yar. ting at six; and no man, unless it two, quitally in harvest time, with a storm comin occasion pects to work beyond his hours, and no hired man

- if he is $a$ man-will obiect to that "Rube" is finding fault with the
he calls him, for standing an with the "boss," as anvone who may chance to pass his way thing to not the hired man's business what the boss does,
but it is the boss's and how he puts in the time that the man does, pay for. There are a great many men gets big also, who have a fair education, but little energs,
and, as the they come old Country has no use for them, who will give them big wares to find a people with little or nothing to do, and a horse "Rube" is inst the whenever they want it. And vice. and he that kind, from the sound of his Canada and the farmers in Oxford Count with a man, and try sudgest that he go to work like not be running down the country or the han, and fives him his livinn, and he will be more con-
tenter with himsolf and tunate as to employ him.
He save
enouch brains to the poor men man who alwavs kicks, and I notice it's the lazy enouch to see his fault.
Now, Mr Fis.
Now, Mr. Editor. I hope there will be someone in general. And $I$ up for oxford and the farmer in general. And I know, when a man calls rimmer
the plow or mower a snap that he does not what he is talking about, for there is something else to do besides sitting on the sulky plow, if he does the work properly.

JoE of norfolk.

## Auto Restrictions.

$O$ wing to the automobile usurping the whole of our roads, and practically driving our wives and
daughters trom their regular trips to town wit hutter and eggs, etc., or for their rexular supply upon the autoists, so that the favorite nay from a smosh-up frenzied fit of fear, and the driver I would surcrest that all autore art some part where there will be less danger in pass placerl in a verv prominent nosition, of sereen ar it can beard, awav above mud or dust, and where

## speed the machine may be driving. matter what

Changes in Fair Dates.

## In your issue of August 24th you refer to the chances that are constantly being made in the

 of dates of Ontario fairs andly exhibitide in the list the Department of Agriculture. The Denartment as you are doubtless aware, have absolutely noth-ing to do with the fixing of these dates and the inc to do with the fixing of these dates, and the
list is only issued at the request of editors of leadnotifed previous to its annual meeting in January to send to the Tenart ment promptly the dates se-
leocterl Our list is usually published in the earlv rureicil till June and July. In many inst not ather the datos are sent us, they are treaunces,
altored by Boarls of Directors, and the Denart.
of dates, we write to the papers promotly and ing them the corrected ones. This year send usually large number of socicties changed their ex. tions, on Sentember 21st of the Dominion elec

## Toronto. J. LOCKIE WILSON,

## Heavier Tax on Automobiles.

## The Farmer's Advocate : ing the horse, the article of August 24th, on tax-

 ommon sense would write such an article with speaks about more bad roads in York County than use the roads very Ontario. Certainly, he must now so much about them ? Mr. Fish asks, tainly, have we to thank not Mr. Fish. He these roads ?", Certhe roadwork is done. Remember the good book: Considerable amount be judged." We have a County, and only wish that all motorists in York as little of our roads as Mr. Fish, then our wives would not be in dread of driving on our highways are getting a square deal at think we farmers we have were made by us and our forefathers roade now the motorists come along and want possesthese roads ? Who has the most right to or are we to sta highways. I must say that some of the our ists are perfect gentlemen, willing to stop if your man with the swelled hen the other hand, the caring for nothing, and, if your horso the road, the ditch, only laughs, and never stops to The idea of taxing has occurred.we keep is nothing but a piece of for every horse a lawt Mr. Fish will never get passed. I must and mit that the autos are increasing on our roads and the horses decreasing to some extent-not that er stay home than be run down would soondrivers, as I may call them.
Which prosents fairs, a row of good horses, or a a row of automostrict enough on the autos. our laws are not 5 or $\$ 10$ for running overspeed? I would say, cancel their license for one year, if found overrum-
ning their allotted speed ing their allotted speed, then we will have hetes
trouble on our roads, and will also have better
road trouble on our roads, and will also have bettor
" YOUNG FARMER."

## Faip Terms.

Your recent editorial re autos and the dust nuisance presents one of the live issues of the readers are invited, it is "' up to us "to to tows of part in the discussion and to state our approval
or disapproval of tho and my own nart or the conclusions arrived at. For of own part, your statement of the case and need'
reinedy seem wholly rational Whether or not the expense of the and right: $\underset{\substack{\text { rocuired may be too great to be made up by } \\ \text { license }}}{ }$ license fees, as levied in some of the States, it is Certainly the only way consistent with justice in
which to deal with the matter when we have roads sufficient for our use, or practically so, the owners and users of motor
vehicle s should of the expense of such improvement, if not all, fic requires. There would perhaps be their trar benent to others in having oiled roads, but this
is more than offset by notor traffic exposes the tre dangers to which risk of iniury to lifo and limb, which poublic-the incidentally, but which should not he lost sight of the roads, by the does almost entirely, the use who may have just as much need des drivers, as much richt, to use them as any and certainly me that a bad mistake was made when the Grange each week was and such tramc during a part of of better support by the farmerg of the for want The present arrangement is certainly the Province. handled variety. That the motorist should have ever convenient. while the part of the road whenthe risk and delav of going off to the side all or across the ditch, if any, or through a gateway least. considering the somewhat absurd, to say the the farmers in making and mat has been taken by If conditions were reversed and essaving to use urban thorou, hffares with equal
reedom, causing similar danger and incontan to citizens, it is a safe quess that they would be promntlv nenalizer bv the authorities. But farmthe glamour of wealth and desiray their rights; thereto has mesmerized somes others homage


#### Abstract

1484 THE FARMER'S ADVOCATE only, wasting no time in consideration for the wathout trouble. The politically biased, of course are willing to have the matter settled in Toronnce morer unfairly, and so we have illustrated once more that "division is weakness," and have played into the hands of " the upper ten." It is, therefore, the more necessary that we should stand united for the proposal to equalize fairly in the effort to abate the dust nuisance more maintain the roads at the high standard required for motor traffic ; and the motorists themselves, to their credit, be it said, have invited this course by their offer to contribute for those purposes at. the rate of 50 cents per horse-power of their ma chines per annum-inadequate though that may seem, if the costs run near the estimate stated in Now that the rush of harvest is over, there is opportunity for full discussion of the whole situa- tion from all standpoints. I see that your motorist correspondent, Mr. McCarty, thinks that he price of horses, but I have heard nothing the price of horses, but I have heard nothing of that kind mentioned as an objection. We realize that automobiles have come to stay, and have not the slig terms. Perth

Ontario Crop Statistics The following statistics of the principal field compiled from individual returns made by farmer estimated by a bureau or Industries, and the yield correspondents, who give probable yields, accord ing to conditions on August 5th, 1911 : 034,052 bushels or 837,492 acres will produce 17 743,473 acres, $19,837,172$ bushels, and 26.7 in 1910. The annual average for 29 years was 17 , Spring Wheat- 133,711 acres, $2,375,843$ bushels, or 17.8 per acre, as against 129,319 acres 15.9,

Barley- 616,977 acres, $16,766,319$ bushels, or 107 bushels, and against 625 in, 144 acres, 19,103 Oats-2,699,230 acres, $88,261,352$ bushels, or 32.7 per acre, as against $2,757,933$ acres, 102


FOUNDED 1
084.924 bushels, and 37.0 in 1910. Average Rve - 98,652 acres, $1,624,572$ bushels, or 16 ,
ner acre, as against 95,397 acres, $1,620,333$ bush
els, und 17.0 in 1910,5 and els, und 17.0 in 1910 . Average, 16.4. Peas- 304,491 acres, $4,773,513$ bushels,
per acre, as against 403,414 arres per acre, as against 400,414 acres, 6,016,003 bush Beans-51,508 acres, 925,228 bushels per acre, as against 49,778 acres, 892,927 bushels. hay 17.9 in 1910. Average, 17.2 . tons, or 1.28 per acre, as against $3,204,021$ acres, $4,238,362$ $5,492,653$ tons, and 1.71 , in 1910 24 vera The acreages in other crops, for which no esti mates as to Yield have been made at this date are in 1910 : corn for husking. 308, 350 , and 320,913 corn for silo, 335,935 and 326,627 ; potates 68,966. and 168,454; mangel-wurzels, 64,855 and 3,207 and 3551 . tupins 10 and 26,879 ; carrots, mixed grains, 486,112 and 497,936 . 108,360 ; voted to pasture 1768 acres of cleared lands de188 in orchard, 25,360 in small fruits, 11,586 in
vineyard, 58,748 in farm

## THE CANADIAN NATIONAL EXHIBITION.

The teaching profess will remember, as a graceful parting message, the plea for increased education, made by Earl Grey, the retiring Gover-nor-General of Canada, in opening the Canadian National Exhibition, at Toronto, on Monday August 28th. In view of the necessarily increas ing preparation involved, and the great responsibility of their duties to the people and the country, he felt impelled to express his conviction that teachers were not sufficiently paid yet, although improvement is being made in that direction. In his official greeting, President Geo. H. Gooderham referred to the fact that the Governor had forit had successfully show four years ago, and that existence dency, Mr. Gooderham presented the or his presiwith a magnificent fountain opposite the adminis istration building, where the spraying war freshened the air

The dust was more than well laid by the heavy rains of the inaugural occasion, but the weather breaking ding days was ideal, bringing a recordexhibition constitutes a great annual holiday fo Toronto, and in its spectacular feature and amusements no doubt reflects the city spirit and cravin for entertainment and military display, to promanagement. Mide administrative genius of the management. Niaway concessions appear to mul games are in in in not in merit, and endless ring their surplus cash. The public the gullible of educated to hanker for this sort been largely with the natural hunger for meals, throat-coolers, a heterogeneous mass of business has heen evolved, for all the world, like Bunyan's A city paper went to some cash there is in it what was spent at the Fair, and reached the con estimate, as it was expected be a conservative tendance would reach the million mark this year and last, year the Association itself took in nearly
$\$ 300,000$, which would represent about one third of the spendings. Meals this year would amount spent along the Midway; purchases of pianos. indefinitely large sums to which is would reach indefinitely large sums, to which is to be addent
some $\$ 50,000$ paid out by the Association in prizes. A large piano manufacturer toll 'a Thin Farmer's Advocate" that probably one half the output of their establishment went to the hom..... instruments. One does not have
long the National Exhibition to see
progress and purchasing power of the peop
farm the general prosperity of the countr
ontally flopends
$k$ and manufactures constitur
he fair, and the owners of the
more room to display their
ucts and processes. Leaving out of account the
premiums paid, exhibitors of live stock have just grounds for complaint. The housing this year
was hopelessly inadequate. Entries were ac cepted for which the management must have known there was no room. Scores of valuable animal out-of-the-way corners ; several found themselve in the sheep pens, and another bunch was tied to a fence. A fine exhibit of Shorthorn cattle by grounds at all, but were temporarily fed and watered in the city, and returned home at great ex pense and trouble. Small wonder that greeders should be disheartened at such treatment and mis-
management as this. The repeated requests of management as this. The repeated requests o and pavillion continue to be shelved, and hundreds of men and women could be seen, hour after bour struggling for standing room under the hot sun
around the picket fence, in a vain effort to see the placing of the awards in the cattle classes. The horse-judging is done within the grandstand area and, except in the speeding classes, practically admission fees, which would have to be repeated again und again, on account of the way in which the judging of different classes drags along.
Large expenditures are made for facilities to accommorate less-important interests, but a policy of let ill-enough alone is pursued in rela-
tion to these classes, well calculated to drive breeders away from the well calculated to drive

## About the grounds there was talk of assurances

 rom a member of the Provincial Government, to pected to materialize, in which field agriculture and provincial agricultural agencies would be fitingly represented. This year's Ontario display provement on that of 1910 and in aceond wimthe suggestions offered in "The Farmer's Advo cate" in reviewing the last exhibition. The De-partmental Representative for Lambton, S. E. Todd, of Petrolea, had forward a grand exhibit of which was a pleasing revelation to thousands visitors. Those in charge, also, distributed a handsome ilustrated folder, brimful of facts
about the sumny south-western section of Ontario A great deal of space in this building that might palms and other foliace cumbersome exhibits of Railway Building, and of the grain displays in the in the Horticultural Building, there would seem ing space that could probably of exhibits, utilizinstructive purposes. Now, whatever may be done auricultural resources and firoducts of Ontaris which is yet the foundation security of of stock, surances of the Fxhibition Association to the -

## 1s 'n for. ears, the Machinery, Dairy and

## 

gressive spirits in the Association will some aggifted energies in that direction for the show of
1912 . greatest of made the exhibition annually the achievement in class in the world is a notable way of Canada, to blaze out a track for is the But to keep up the pace makes each year's task greater than the one before, and it imposes seriincentive to the thousands who annually and an becomento from all parts of the continent, and becomes a pattern for other exhibitions, large and mall; hence the reason for keeping agriculture hand upon merely sporting and amusement feasures, so that it may contribute continuously and

## Hopses.

A notable feature of the 1911 horse department was the large number of Percherons, which made a very creditable exhibition. Graham Bros., the aiter showing at Toronto every year since 1888 good quality, were not Clydesdales, while of large numbers as usual. Shires, while nute such erous, presented several good animaks at the call The largest exhibitors of Clydesdales were
Graham-Renfrew Graham-Renfrew Co., Bedford Park; Smith \&
Richardson, Columbus; Hodgkinson \& Tisdale,
Beaverton: Beaverton; J. B. Hogate, Weston' ; J. D. Larkin other exhibitors who had Elliot, Bolton. Among were Jno. Davidson, Ashburn; K. R Narshall William Chayton, Grand Valley; Patterson, Bros., E. Toronto; A. G. Gormley, Unionville ; Alex
Doherty, Wexford, and J. M Gare Shire honors were contested by J. B. Hogate Weston; Porter Rros., Appleby; I. M. Gardhouse,
Weston; Wm. Pearson \& Son, Hamilton ; John F. Webb Co., Toronto, and John Breckon, John At time of going to press only a few of he
Clydesdales and Shires had Clydesdales and Shires had been passed upon
and no Percherons had been before the judges. A
full review of the next week's of the horse cbasses will appear in nine horsed Clydesdale stallion class brought out many sensational individuals. First went to the
Graham-Renfrew Smith \& Richardson on Raron Kelvin, second to
I) Elliot on Tom Macinthus; third to To Hoqate on Manaton. Three-year-old Clydesiale
stallions some flash ones faced the strong numbers, but
frew Co. had four entrios Graham-Ren frew Co. had four entries, and succeeded in-win
ning the first three prizes, Bydand and Royal Muirton. First Flisk Prince,
deep, thick horse deep, thick horse, with abundance of, quality and
true action. Three year-old Clydesdale" fillies were a strong
class, comprising nine individuals secured premier honors on May Alex. Doherty
handsome hacen, a very handsome hlack, hrimful of quality, and with size
and sutstance galore. Graham-Renfrew
Purrber Purphe Heather stoond second, and she, too, is of
very high nuality. Smith \& Richarton

SEPTEMBER
Performer; second
Brookfield Laddie, and
Chaigeley Admiration.
Cattle.
SHORTHORNS.-Owing to uniturabla weat he
Saturday the judging of shorthurns was dut layed, and was not completed in time for a ful
report in this issue. The breed is very largely represented, the entries totalling over 2oo, con-
tributed by over twenty-five exhiinitors, two
prominent United States herds prominent United States herds bexng in the con-
test, and the quality of the animals competing was quite equal to that of any former year, the
bulls especially being of a high-class order Awards were placed by John L. Reid, a noted
Scottish breeder of Shorthorns, whose work, care fully performed, appeared to give general satisfac-
tion. In this preliminary report only the high
places are touched. The full prize list will applaces are touched. The full prize list will ap
pear next week.
In the ared bull class, which was an unusually In the aged bull class, which was an unusually
strong one, individually, the contest for supretwo notable animals, Meadow King and Shen-
stone Albino, the former the grand champion at stone Albino, the former the grand champion at
Toronto last year, which came out again in
splendid condition in the herd of W. H. Miner of Heart's Delight Farm, Chazy, N.Y., having lost nothing of his smoothness or quality, but rather
showing improvement. Both are exceptionally not an easy task, but Meadow King was at length placed first, and later in the day declared again
senior and grand champion at the Canadian National. Meadow King is in color a rich roan,
three years old, bred by Miller Bros., Brougham,
Ont., and sired by Mistleto Eclipse, while Shen
Ont., and sired by Mistleto Eclipse, while Shen-
stone Albino is a white six-year-old, bred in Eng-
land by Sir R. . Cooper In the two-year-old section an excellent entry
which captured the first award was the massive and much a Robson London Marcellus, shown by being well filled by the red Mountaineer, bred by
Miller Bros., exhibited by Peter White, of Pembroke, and sired by Uppermill Omega (imp.).
In the senior-yearling section was found a sensaticnal entry in the roan, Cainford Marquis, a
notable winner at leading English shows, bred by
Geo. Harrison, Gainford, sired by Gainford Knight (imp.), and owned by J. A. Watt,
Salem, Ont., who personally selected him, well maintaining his reputation as a critical judge.
The excellent character and quality of the bull were admired, despite the worry of his recent
transportation and sixty days' quarantine experience, which, of course, would not improve his con-
dition. He was without protest given the junior championship, and was reserve for grand chamCarpenter \& Ross captured the first prize in
funior yearlings, with Glorious Dale 2nd, a red son of Avondale.
The senior-bull calf section, with 20 entries out, made a sensational showing, being by com-
mon consent acknowledged as the most uniformly
excellent ever seen at a Toronto show: the first award going to Carpenter \& Ross' roan, Pride of
Albion, by Shenstone Albino, and second to Capt. Albion, by Shenstone Albino, and second to Capt.
Robson's roan, Prince Butterfly, both of fine type
and quality.
Thos. Redmond, of Millbrook, Ont., who never
fails to bring out a good one or two, won first in a good class of junior bull calves, with Marifor tive best Shorthorn animal, male or female, was
won by the champion bull, Mcadow King, reserve datry brefens.
Never before were the special dairy breeds
strongly represented at a Canadian exhibition, i
respect of numbers and individual excellence, as a Toronto last week. Uniformity of breed type and
promise of productiveness at the pail were prominent features in all the classes, and never were the
awards more carefully and competently placed, the single indges performing their difticult task, in
unusually large classes, with admirable skill and
consistency the the art of judging live stock and an evidence of
confidence in their knowledge, from experience, of conndence in their knowledge, irom experience, Stephen, of IIuntingdon, Quehec, Secretary of the
Canadian Ayrshire Association, were by far the most numeronsly represented of all the breets,
the entries of individual animals totalling over
2.0 , made a marnificent showine in the hands of




Queen Bonheur Mercena, Sadie Mercena Posch, and 1 la's Rose; 2, 3 and 4, Bull \& Son, on Brampton
Rosa Bonheur Mercena. Heifer calf, junior-1 and Rochette, Brampton Alicante, and Brampton Fon-

Rosa Bonheur Mercena. Heifer calf, junior-1 and 2, Haley Bros., on Colantha Fayne and Gra
Fayne Abbekerk;
3, Rettie, on Iantha Jew Frayne Abbekerk; 3, Rettie, on Iantha Jeve
Francy ; Gooderham ; 5, Mackenzie. Sen
female champion, female champion, Ianthe Jewel Mechthilde 3rd;
junior champion, Colantha Fayne. Grand champion, Ianthe Jewel Mechthilde 3rd. Four animals, progeny of one bull, to be under 2 years one bull and four females, over one year old, Haled by exhibitor-1, Sangster; 2, Rettie; 3,
Hros. Young herd, one bull and four males, one year old and under three- 1 , Haley JERSFY , S , Hulet, 4, Mckenzie.
wards were well placed by brof, in which the Lexington, Ky., were as strong in numbers as last and uniformity of approved type, and certainly made a splendid showing for the breed, every sectotalling considerably being well filled, the entries cipally from the well-known herds coming prinMackenzie, Kirkfield ; B. H. Bull \& Son, Bramp ton, and David Duncan, Don, the honors being stributed, with general satisfaction. In the aged bull section appeared for the fourth elegant imported bull, Pearl of Kirkfield, in his eight-year-old form, looking nearly as fresh, and moving as actively as ever. His condition is ish of form and quality render him practicallinvincible in the show-ring, he having won the male grand championship at the Canadian National stronger competition than ever before his rinst being the three Island-bred bulls oi the his rivals herd, namely, King Edward, Eminent Raleigh and Jolly Oakland, and the Don herd sires, Brilliant's show bulls. In the two-year-old all strong Brampton herd supplied the first, second and third prizewinners in Sir Robert, Brampton Stockwell and Eminent Fox. In the yearling class, the Fontaine's Knight, an extra good one, and sec ond on Gray Una's Kirkfield; while in both the senior and junior bull calf sections the Brampton herd produced the first and second winners. The the first son of Brampton Stockwell, whose prog eny in the herd, though he is yet young, proclaim him a singularly successful sire. In the aged cow
section, Kirlfield was first and second with two section, Kirl:field was first and second with two
grand imported cows, Meadow Grass 2nd verness Queen, the former a Royal Show winner the latter having a high-class milk and butter recDon herd, which had in Lady Primrose, from the tional won premier honors, made an excellent showing for her age on this occasion, and came into third place over Aristocratic Fancy, of the the profitable producing class. Mansella's Rose of the Kirkfield herd, a model type, won first in the three-year-old cow section, followed by three of the Brampton contingent, including Brampton
Rochette, by Rochette's Golden Lad; Fontain Rose, by Golden Fern, and Lady Lad; Fontaine two-year-old official record of 1,104 pounds milk and 536 pounds butter, producing her second calf record for her age. The Brampton herd scored
rent first. and second in two-year-old heifers, with im ported Brampton Perry Floria and Brampton for yearling heifer in milk quith Fontaine Ril, and for senior heifer calf y yearling out of milk; while for juniors, Kirkfield.
and grand, and also the senior and grand for best female, any age, went to the Kirkfield herd, and
the junior male champion was found in the
 Son, on Brampton Eminent Raleigh; $; 3$ and 4 ,
I)uncan, on Brilliant's Golden Fern and
 on Brampton Sir Robin, Brampton Stuchwell.
and Brampton Eminent Fox., Bul, 1 year-1 and
0 , Mackenzie. on Fontaine's Knitht. Una's Kirkfield; 3 and 4, Duncan, on Marjoram's
Noble Fern and Zoda's Duke. Bull calf, 1 and 2, Bull \& Son, on Brampton Goldmont and
Brampton Good Gold; 3 and 4, Mackenzie, on Kirkfield's Beulah and 'Kirkfield's Mirande. Bull
calf, junior-1 and 2, Bull \& Son, on Bramut... Henrietta's Son, and Nameless ; 3, Duncan,
Boyle's Distinction; 4, Mackenzie on Kirktimuly Eminent. Bull, senior champion, Pearl of Kir Grand champion, Pearl of Kirkfield. Cow, 4 yeiss and over-1 and 2, Mackenzie,
Meadow Grass 2nd of Kirkfield and Invernit Queen of Kirkfield, 3 , Kirkfield and Invernia's
Quncan, on Lady's PrimQueen of Kirkfield; 3, Duncan, on Lady's Prim-
rose of Don; 4, Bull \& Son, on Aristocratic
Fancy. Cow, 3 years-1, Mackenzie, on Mansel-
taine liose. Heifer, ${ }^{2}$, years-1 and 2, Bull \& Son, on Brampton Perry Floria and Gold Mark and Kirkfield's Mackenzi, on Kirkfield's Mabel -1 and 4, Bull \& Son, on Brampton Fontaine Ril and Brampton Duchess; 2, Mackenzie, on Iris yearling. out, of milk-1, 3 and 4 Don. Heifer Kirkfield's Sultana, Invernia Princess 2nd, on Kirkfield Chimes ; 2, Bull \& Son, on Brampton F Son E Son, on Brampton Kcntucky Girl, Brampton
Fontaine Queen, and Brampton Foxy Minette and 3, Mackenzie, on Kirkfield's Mabel Beulah ; Kirkfield's Dentonia. Heifer calf, junior-1 and 4 , Mackenzie, on Kirkfield's Beulah's Mate and Kirkton Iosary and Brampton Babe Son, on BrampAgathe's Jane. Champion female, senior, Mead ow Grass 2nd, of Kirkfield; junior, Brampton Fontaine Ril. Four animals, the get of one sire 2, Mackenzie, on get of Pearl of Kirkfield Fox, Duncan, on get of Fontaine's Boyle. Cow with two of her progeny-1, Bull \& Son, on Fontaine
Rose ; 2, Mackenzie, on Invernia's Queen of
Kirkfied.

Swine.
Numerically, other years have seen the swine exhibit fully as strong as this, and in some classes the matter of type and while other classes, in strong. Evidence of the increased were never so by the public generally, and the city taken particular, in the source of one city people in food staples of the civilized world, was seen in the throngs that continually passed up and down the aisles, and many flattering words were heard not the from our own people, but from those across the line, as well, of the general high-class charthey were brought out. Some new fit in which observed among the exhibitors, notably Mere Campbell \& Son, of Norwood, and Geo. G. Gould, of Edgar's Mills. The total entry of the various
breeds was about 284, made up as follows shires, 73 ; Yorkshires, 50 ; Tamworths, 39 Chester Whites, 34 ; Hampshires, 45 ; other dis tinct breeds, 43.
YORKSHIRES
tors to the Yorkshire or several years past, visipens filled with the world's greatest in Yorkshires from the three great breeding firms, D. C. Flat of Streetsville, and Jas. Wilson \& Sonston \& Son, This tirne the Wilson herd was not of Fergus, the fight to the two first named, with out, leaving al entry from Stephen Oliver, of Lindsay and Robert Harrison, of Brampton. Reports of the cultural papers, are wont to elaborate various agrieral high-class character of the exhibit, and, while praise has been deserved in past years, strictly rior fitting character, quality, breed type and supe1911. This is particularly true of the Mill grove herd, practically every animal of which was bred
by the exhibitors. my the exhibitors. Special mention might be two; it is doubtful if any other year and under country could put in the ring a trio of more re-
markable specimens of breed and type perfection Another that deserves special mention was the
entry from the Streetsville herd in the con boar over six and under twelve months. He is lines. a grand animal, put up on championship
Following was the order in which the Judge, Wr. Jones, of Zenda: Boar. 2 years popular over-1, 2 and 3 went to Flatt \& Son, the first
on the 1,200 -pound Summer Hill Worsley 4th, a step up from 1910 at this same show, when he had
to be content with second place; second went the championship, the premier hoar ago carried of ing to $S . H$. Worsley 4 th. Fourth prize year go-
the Streetsville entry, on a marnificent
 under 12 months -1 and 2, Featherston; 3 and 4,
1.late. 13 ,
:3, under 6 months-1, Flatt; 2 and


 antan Comil an 1

one, owing to the remarkable uniformity
several entries, his awards were generally several entries, his awards were generally satis
factory to the onlookers, if not in ever cas
the exhibitors the exhibitors. The exhibit on a whole was equil seen better fitting than was in evidence in have farmer entries. The Berkshire, as an all-round so than how, is ever popular, probably never mor erally high-class and modern in type. The prin-
cipal val: Frani- Teasdale, Concord. P W B, No \& Śon, Dollar; Adam Thompson, Shakespeare Following is , Milton, and Geo. Wood, Islington Following is the order of awards : Boar, 2 years. 4, Wood. Boar over 1 and under Thompson; Teasdale ; 2, Boynton; 3, Dolson. Boar over 6 and under 12 months-1, Teasdale; Boar over ${ }^{6}$ try. Sow, 2 years and over-1, This aged enDolson; 3, Boynton. Sow over 1 and uns 2, years-1, Thompson; 2 and 4, Dolson; 3, BoynThompson: 2 and 3 , Shields under 12 months -1 , under 7 months-1 and 2 , Shields. 3 , Boynton. Sow Thompson Championship, Thompson. Herd-1
 Progeny, the get of one boar-1, Shields -2 , Dol-
son ; 3, Teasdale. Progeny, the produce of one
sow, went the same.
TAMWORTHS.-This year the Tamworth the onlookers. The usual high-clach interest for the Mitchell herd of D. Douglas \& Sons was this little the worse for their long and showing very and back, where they thing hung up. Their competitors this ye every the entries of T. Readman, of Erindale, and Johe Readman got secondale. In the aged boar class 1 year and under 2, Readman the class for boar ior boar over 6 and under 12 inonths, 'Readma 6 and other prizes, including all the ford All the sections, went to the Mitchell herd and progeny were placed by the well-known breeder, A. A. Col-
will, of Now Hanipshires.-The Hampshire separate class, and the large first time given a separate class, and the large entry and general ex-
cellence of the exhibit showed that the appreciated. The breed is comparatively was or many years in man been bred with success
Characteristics thates of the Union. ceding qualities, early maturity them are easycood bacon type. They were exhibited by Hast
ings Bros... of Croschity and Porter Bros Crosshill; O'Neil \& Son, Birr, and principal exhibitors, Porter fros. two being the
confined to the axhed boar class, wheribits being again sliccossful in landing first and afterwards sion that this great hog has third year in succescoveted honors, second and third these much\& Son, which were the only other entries out. O'Neil and Hastings were alone in the entry
O'Neil winning first on culine character stamped all over him, O'Neil
getting second and that showed more quality, but not smooth pair The same two exhibitors came togother in size.
class for boar over 6 and under the going to Hastings on a full brother to porterst champion, second to the same firm, O'Neil having
to be content with the white ribbor 6 months brought out a much larger Bntry under Hastings third. Sow the front, O'Nears and second, and out an entry of four, two from each of the com-
petitors, the o Neil pair being considered hand
capped by being course, put them off bloom; fout , which, of many of the onlookers thought they would win,
hut the judge thought differently
Hastinn Hastings on a hig smooth deep sow that showed
evidence of overfitting, third
firm, and foing to the under 2 years-Hastings hail. Sow over 1 same class, gett ing first and second, the goods in this
over 6 and under 12 top in this class, with Hastings second came to the Sow under 6 months-This, too, was and third. he getting first and second, was O'Neil's class,
O'Neil's winner in this class was afterwards third.
with the with the championship honors. IIerd prize of onaced Herd prize of one
boar and two sows went, Hastings first and third,
O'veil son Fhable uniformity of thartet that showed re-
ards, made by cieorge lipouglas, of ality. The

# THE FARMER'S ADVOCATF 











 12 months, reversed the order of other sow clanses
Decourcy getting 1st and 2nd, and and th. Sow under 6 months-1, 2 , 4, Wrigrt;
3, Decourcy. Championship- Wrimht. on his aged
entry. Herd-1 and
$\qquad$
 Poland Chinas, by Geo. G. Gould, of Norwood;
Mills, and Black Essex, by Jos. Feats
Cot Son, streetsville. Some exceptean herston cho ${ }^{8}$
representatives of those breeds were brought ont
$\qquad$
 $\frac{1}{}$ Selw seli; Pen, Canadian-bred, bred by exhibitor and, while only were two breecond breed to be placed shown was of very breaders were out, the stock
of P. Arkell \& Solity, quality, especially that Sut an exceptionally stronsw flock, whict, who had
of the pok most
prize-money.
The other flock wite

$\qquad$

## Sheep.

and pheep-breeders agreed that the intense heat
Tuif, in the bet the stock, especcialls the younger lew of the lambs may have evinuced, siget of shor a
parsture, the exhilit, on the whole, wass a creatit There emay have bend to the car numbersian out intional.
previous year, and in some clacses the quality wear save been higher, but considering that this
itock exhitit was compossed hargely of home-bred thok, and that this stock har haly oi home--bred
compare favorably with the thest of on importo stheer) the display in the well-filest pens. was very
Fratityink. This speaks well for the skill oif
('anadians as hroodear. Canacians as breeders and feeders, and also for
Canalaa as a sheepraising country. It is the
best ad vertiseruent rthat treent best advertiseruent that breaners can have to
broduce prizewinners from their flocks which have
breen bred bv themselvoc thin deen bred hy themselves Any thorouthly com-
potent iunge of sheer can purchase animals from
other fliocks, or in other countries, that can win the prize money, but it is a diferent matter for
the stockman to breed and feed the animals him-
s.sli





$\begin{array}{ll}\text { rora, } & \text { A.C. } 21,2 \text {. Chas. Edwards. Onondaga } \\ 0 \text { A.C. } 21 ; 3, ~ J a s . ~ W a l k e r, ~ T u s c a r o r a, ~ O A . C ~\end{array}$

Cheese: The judges were W. W. Gray, James
Bristow and W. H. Murton. R. A. Thompson oession the challenge trophy, valued at $\$ 50$, thus sooming the permanent possessor of this coveted prize. 5.79; 2, R. A. Thompson. Attw, Molesworth Pater Callan, Woodstock, 95.32 ; 4. B. F. Howe Attwood, 95.15 ; 5, Geo. Empy, Newry, 94.81 July colored-1, Ed. Carter, Gilead, 96.31. D. Menzies, $95.69 ; 3$, B. F. Howes, $94.99 ; 4, \mathrm{E}$
D. McKenzie, Ingersoll, 94.82 ; 5 , C. J. Donelly Scottsville, 95.33 ; 6, A. R. Treleaven, Morefield F4yune white-1, B. F. Howes, 96.49; 2, T. O 95.99; 4, D. Menzies, $95.83 ; \quad$ R., A. Thompson July white-1, Geo. Empy 94.99. Cuthbertson, Sebringville, 95.69; 3, T. O. Flynn 95.65; 4, B. F. Howes, 95.39; 5, O. R. Francis, Cassel, $95.33,6$, C. J. Donnelly, 95.33.
August colored-1, C. A. Barber, Woodstock
 Thompson, $95.65 ; 4$, Geo. Empy, 95.49; 5, H. W
Hamilton, West Moncton, 95.31 ; 6. J. E. Sted
 H. N. Neeb, Tavistock, 95.99 ; 3, H. W. Hamilton
95.32;
W. Geo. Empy, 95.15 (won on flavor); 5 95. June Stilton, white or colored-1 H. Menzies,
 June flats, white or colored-1, R. A. Thomp-
gon, $94.99 ; 2$, Geo. Fmpy 94 - $82 ; 3$.

Sheaf and Grain Exhibits from Standing Field Cpop Competitions amount of interest in the various counties
throughout Ontario, and the results of the, judging of the threshed grain fromithese exhibits are The exhibit in this class a
ially attractive, and received the attention espegled with the grain in sacks and the sheafintries were boxes of the various kinds of fruits produced in the Province, and at a glance the ities of this old Province, and the whole added interest to the grain exhibit. he dry weather and heat of the season more than the cereals, but notwithstanding this the grain, ple, and, considering the unfavorable condition Which were experienced in most localities, made a good showing. Following is a full list of the
winners in the different divisions in the sheaf hibit and the grain exhibit:dale,. Banner; 2, Denision $1 .-1, \mathrm{Wm}$. Worsfold, Ems
Shea, Warren, Banner; Jas. Fields, Earlton. Division 2.-1, Thos. Cosh Bobcaygeon, Yellow Russian;
Renfrew, Banner. Division 3-1, R. M. Mortima $\&$ Son, Honeywood, Reg. Abundance; $2, ~ A l e x . ~ M c ~$ row, Avon, Garton's Abundance.
FALL WHEAT.-Division 2.-1, Thos. C. Bar 1, W. Shaw, Hespeler, Golden
Jesse Bechtel, Hespeler SPRING Wheat.-Division $1,-1$. A. McChes-
ney, New Liskeard, Red Fife; 2, Andrew A. Chester, New Liskeard, Red Fife; 3, Jno. A. Philp,
Milberta, Red Fife. nelly, Cobden, White Fife; 2, Sam McMillan, Con-
den, White Fife; 3, Sam McLaren, Colden, Whit BARLIEY,-Division 2.-1, I), I. Ross, Frank Onondaga. O.A.C. $21 ; 2$, Jas. E. Walker, Tusca OATS.-Division 1.-1, Robt. Ferguson, Powas sation. Division $2,-1$, N. Sutton, Millitom
White Giant; 2, Geo. Brown, Millbrook, Dew Hrom
 FALI, WHiLTT-IDivision 3.-1, Jesse Bechtul.
Iespeler; 2. Willort



Mistakes in Drainage.
> where to begin-perhaps the commencement is the best place. Two years ago, in the County of
$\qquad$ the evening one of the neighbors dropped in, and, as the conversation turned on drainage, he pro-
ceeded , C good," he said. "I put in some tile a few years aco, and got no benefit." A series of questions elicited the facts that he had drained three springy the three coming together at the base, and that the main from these three drains on steep grade was only a 4 -inch tile on a very slow grade! No
wonder the flat was wet. wonder the flat was w
Perhans the worst

$\qquad$ probably the most common mistake has been the
failure to plan properly and correlate the age of the different portions of the farm. Owners thinking of one particular field, and possibly be heving that to be the onlv portion needing drain age. or underestimating the quantity of water to
ome from higher up, have frequently installed main drains that in a short time proved inade-

Effect on tobacco of drainage at different have been laid in the same trench. With labor at present prices, the former does not pay, unless the objectionable because the two tile forn bet is them a triangular channel, along which betwee the water flows, sometimes washing away the soil where soft spots occur, thus causing one or both or wholly block one or both of the tiles most cases, the best way to provide outlet for extra drainage is to instal another drain a short distance on one side of that already in.
It is pleasing to note that in recent years the tendency has been toward considering the drain ase of the farm in its entirety, and the consequent use of main drains of ample size. a more thisute consideration of all the details Last summer, while making a survey and holding a drainage demonstration on a farm in Lincoln ing example. The owner had done some drainage in the past, and was just doing some more,
drain the on the and the tound surveyed. He had a drain dug and the tile laid, but the trench not heary rain. IDurine the demonstration this drain
came up for discussion. asked to test the prade. He Hound a say of half rose whet her this impaired the eflicioncy at once and to prove the point the tile at the held "yest ", ", was taken mp. It had half ant inch of sediment in it
rellucing the capacity of the tile fuy iust that much. Warther down, where the grade was right,
the till. was clear. A salu of hali an imch is not "omld hares ieen fillly Hocheoll 3 inches, the tile
 Na.

 an ' and
$\qquad$

Here is a case that came to my knowled a nort time ago. A man was engaged to put in a
ertain ditch. He did so But the uperer portion s." didn't rec.ined his pay, armer noticed that the dividing point was just told to "go around." He did so, and started the From these stump again.
draw this lesson. rod of tile to be covered until he ar show one sponsible party appointed by him has personally examined it, and satisfied himself that everything tions for a larce system to 1 tract and one clause is that " no trench shall even 'blinded' until passed by the inspector," that is a mistake-at least we think and teach that it is-to put drains in shallow, save in exceptional cases. If the reader will come with me
to a field that I will show him, not a hind miles from where this is written, we will hundre few minutes picking up tile and pieces of tile that he plow share has turned out-a field that was hallow drainage in this one of the advocates of The soil was a shallow black nuck, underlaid possibly as a result of some heaving with the that the system is practically destroyed surface plow. Fstimates are now being asked for of the however, the drainage has much more than paid
for itself. Better to drain shallow than not at The destruction of a shallow system does not
always follow, however, as in some soils there
may the no settling, and in others no heavine. But one inevitable result is that the drains do not draw as far as deep ones, and that, therefore,
thes cannot prove as valuable either in wet or
dry scasons. Ary seasons. From actual experience, from con-
tact with a large number of farmers who hon Arained, and from a close study of the scientific
principles involved, we have come to lelieve that generally speaking, we hatins should to believe that,
$2!$ feet deeps, nor than
$20 r e$ than $3 \frac{1}{2}$. In this connecco plants growing in cans drained to different
co potoraph of five toba-
lepths may be instur mepths may be instructive. On each can is
marked in feet the depth to which the soil was
Irained. All five plants drained. All five plants were planted at the
jame time, and the cans sat side by side in the same time, and the cans sat side by side in the
same greenhouse. The deeper the drainage the

allor It is a mistake, and a prievous one to put tile. This needs no elabora| outlets in one aspect or another. It is a common |
| :--- |
| practice, where an largely with | practice, where an open ditch runs along the lower empty directly into it. Another to let each drain the open ditch, at a distance of three parallel with perefrom, and emptyine into it as a convenient empty into this main having the individual drains ditch. This plan costs more of into the open what only one outlet, instead of the other, but What if it has? In the present summer one of laid out by the Department according to a plan surprise, there were some of the outlets he was

unable to locate. owing Sediment in the open ditches. From this illustra
$\qquad$
$\qquad$ fore the plan, the easier to look after, second, the Though costing the more to instal, is preferable
Buit there are other outlet mistalios
$\qquad$
$\qquad$ win has only been down three or four vears. The
$\qquad$
$\qquad$
$\qquad$
$\qquad$

SEPTEMBER 7, 1911
THE ARMER'S ADVOCATE

As I survey the drainage situation in ontario
to-day, with improved methods of planning and
construction being adopted it construction being adopted, it appears to me that
the mistake or group of mistake the mistake or group of mistakes from which we
have most to fear, is that of improper outlots. properly cared for. This has been impressed by
the example already related, where solts the example already related, where impressed by could not be found. To my knowledge, that sys-
tem was properly laid out and properly installed tem was properly laid out and properly installed,
and ut a cost of probably $\$ 2,000$. The owner is loud in his praise of drainage, for he hed a splen-
did crop of fall wheat on a large area of land did crop of fall wheat on a large area of land
from which he was not accustomed to get such yields. And the system is in danger, unless the outlets are looked after. Once the system is properly installed, the mot-
to should be, "Look to the outlets."
$\qquad$ WM. H. DAY.

## A Visitor from South Africa

 the National Exhibition, Toron last week a Palmer, Under-Secretary to Louis Botha, W. J. and Minister of Agriculture in the new South African Union Government. A good many readMr. Palmer's excellent Advock some " will remember the Travelling Dairy work some years ago with became associated with the development which he City Dairy in Toronto. After the South African war, earnest stens were taken to reorganize and plt upon a more modern and progressive basis oumar africa, and a among them Mr. Palmer. Speaking generally, the development of husbandry there is proceeding responding to those which have biven methods cormarked distinction. In the four united provinces there are six or seven experimental farminces three agricultural colleges. There is a preat deal of wealth in the country, and the government is dustry, upon the development of which three infour million dollars will be expended this year. Dutch farm students are also takeing agricultural courses in Canada and Australia, and individuals, as well as government representatives, are abroad picking up choice breeding animals to improve thelive stock of the country. It is upon this par-
irreparine to ship, via the St. Lawrence. Canada
head of Shorthorns and are making steady and Holsteins. Creamerie money has been made in sheep husbandreat deal of ostrich farms is perhaduction of feathers on the ness, some farms realizing $£ 10,000$ and $£ 15$ busiper vear. I. ive-stock diseases have been a serions obstacle in the past, and the government veteriSuccessful corn-growing is on fhe increase world. falfa is regarded as the salvation of the country closely following the agricultural department are ing system, as applied in thent of the dry-farmand in Alberta. Applied in the far Western States
Sofore returning to his work in voting his life, to which he is enthusiastically deWest and the Mar. Palmer will visit the Canadian tended securing some live stock. He had inhut, owing to the outbreak of foot- Great Britain, ease, could not do so, except in the case of horses,
$\qquad$
Little Peach in Niagara District.
In "The Farmer's Advocate " for August 24th "Iittle Peach,"" the increasine disease known as is giving concern to some Ontario peach-growers Wo inspectors, Messrs. Kelson and Hunter with have heen che of the Ontario Agricultural College for some time, and $P$. W Nogara fruit district the 「ruit Branch. Ontario Hepartment Director of trict, who the other day returned from the dis fected, more or less in thahly 50,000 trees are af to Hamilton, North Grimsby and from the river ships having the trouble most seriously . chards are not affiected, nor every tree in those about three years, and affects on gradually for and some orchards in fyll bearing have of to be des stroved. It is supposed to develop in the nursery Stock, and there is a good deal of it in Michigan sary for its suppression, as apparently are necesremedy is to upproot and burn the trees, the one one but stock guaranteed healthy.
$\qquad$ ional Exhihition, Toronto, on Monday, Labor Day, was 151,000, the largest in the entire his-

Drainage Surveying in Quebec. so popular in Ontario is burvey which has proven This summer, the Department taken up elsewhere. donald colle erepartment of Physics of Macadviser to any farmer in the send a drainage o make a survey, prepare a drainage of Quebec, how to dig drains true to grade how the tile, how to make joints, etc. The only lay the farmer for this service would be the surveyor's callway fare, at one cent a mile each way incidental expenses, board and assistance while making the survey. The work was commenced July ara, afor Those wishing to take advantage of the at once requested to send in their applications made this autumn surveys as possiblo will be spring. It is proposed to continuer early in the summer.

## Beef-ring Experience.

In answer to a request in a back number would say that I have been secretary ref the Eversley Mutual Beef Society for the past fourteen years. This society was ganized in the winter of 1883-4, and has been runwill will make twenty-eight consecutive seasons. I until 1006 sixteen members, and continued so rinc. and he present chart is the one frequently since. Our "The Farmer's Advocate" (without steak), and we find it very satisfactory. WM. FERGUSON.
York Co., Ont.

Implement Shed for Ottawa Exhibition.
arn andipated some time ago, the display of the largest feet of suce thistory. Already 20,000 square sher, and 15,000 been allotted in the machinery of the great need for a larger pavilion out In view farm machinery, the exhibition manage ment have the plans prepared for a new implement
shed.



THE CANADIAN BANK

| OF COMMERCE <br> ESTABLISHED 1867 |
| :---: |

MARKETS
Tomonto.


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" The Kipn.
 the farm hands.
The morning of the long-looked-for
night had come, and in the kitchen of "Steppbutts" lively scenes were be ing enacted. No need of the usual
"rap doon" for wakening this morning, for long before rising time the ripin' $o$ ' the fire and crackling sticks could be heard, the clatter lassies' tongues, and the patter o'
hurrying footsteps. Brooms and dusters were sent flying in all direpwhy and wherefore of thiselves the tomed treatment. A big baking had been done the previous day, and the greens, and the kitchen was now belassies laid their bit wraps, and Retsy and Meg prided themselves in
having the brawest kitchen in the having the brawest kitchen in the
parish. The dish-covers adorning
the walls were fairly shining. the jelly pan, in its golden beauty, smiled over to its neighbors the
candlesticks, and Meg, with all the artistic skill she possessed, was tracing elaborate designs on the stuckie
border round the floor. The after noon came on, and after the milking,
Betsy and Meg began their toilets. Soap and water was made use of in
quantity, and the natural hair frizzies came out in fine style. Grand chased for the occasion, tinsel belts and fancy necklaces; an odor of per-
fume pervnded the air, and after many a bit keek in the glass, the
lassies were ready to receive their guests. On्̄च after another trooped
in, and soon the kitchen presented an animated scene. Several youths
hung about the kitchen door endeavoring to get a peep in, to see if his Jean or Nell had arrived. With lan-
tern light the procession marched to tern light the procession marched to
the barn. wife, and Tom shyly offers his arm to the mistress; the fiddler starts
in good form, and,, soon to the
strains of "Triumph," all straor. Here one sees dancing in real
fearnest-no meandering arnest-no meandering round in dren, but as the not as wild childreamy waltz, no coat rails a-flying ture and art can go together. Na-
or swish of ladies' trains, no who really can find no comfort or swish of ladies' trains, no gentle in the country go back to the comfort
footfalls, but a firin, martial tread. We prefer the freo ainds. footfals, but a tirin, martial tread, We prefer the free air and the rirds.
at times the music heing quite in- and the brooks. Country life is al.
audible from audible-from quadrille to ". Peas
 in between, the evening wore on. a gonsother topic that is arre to get The girls seated themselves on one we have got quite by the time for
side, and as each dance was an nounced a general rush was made by lauding the common school, and the
the fond admirers opposite each en- free school, and the IIigh :clool deavoring to secure the particular sense school not too high, in the
partner he wanted. Some bashful sent in then ones found themselves forestalled, and sense that it overlooks knov ledge
Meg quietly whispered to her chum. "WWull's aye ower late in comin' that thew man man no ase of facts furrit, I'm lifted lang afore he is a wempral dissatisfaction with a
comes." One hrave hoy from Erin school walem that educates away
fanced a jiic. and at eleven oclock canced a jig, and at eleven oclock, from the farm. The land-tiller be
 three cheers for the master and mis- throumh with chools that is about tress. The lassies donned their work- hrain iny despice the hand. There
duties.; For days afterwards "The sation, and Betsy had many a quiet dig at Meg, for Meg and Wull had bit kirn e their ain roon, and had a bit kirn o' their ain roon' by the hay

Some Good Farm Logic " Grumpy people still live in th country, but most of them find their country they must get up with the sun, and must work till up with the done. We have no call the work is he boys who shunt their here, for clothes at exactly six oclock and skip out until seven the next, and ing. They will not like the country for here they will have to keep very much the same hours as the bluebirds and robins. But some of us The it. We see no hardship in hav 'clock eight o'clock until four bliged for sleep, and after that being wakes to be busybodies and wideinished until the day's work is fairly animats the milking done, and the thing as led. There is no such unless youring a successful farmer of course, tre the work. There are, more or less hard luck everywhere for we cannot always escape sickness and the loss of crops. But it is, in
the majority of cases, either bit habits or ignorance that prevents country life from being reasonably and some acquaintance early hours, and little with the owls; but the old-time task days, that left the the chinery and the power with the faccrienged. "Instead of our hardships, the
popular tonic popular topic at the picnic is pretty
sure to be our sure to be our privileges. Nobody
envies the townsman-who envies the townsman-who lives in a
rented house, breathes what air he can get, pays water rates and gas bills, and stands the din of a sleepless racket. Civilization without Na-
ture is the art of a treadmill are learning how to treadmill. We closer to Nature not as wild chil-
dren, but as those who see that Nagood hearing is the rural school.
We have got quite by the tiwe for what we want now is the commonsense school- not too high, in the
sense that it orerlooks knov ledge
necessary on the farm, while it stuff But eart one weavers, the years are slow,
Ind soom the last end. I know ;
 Currush the weaver a wee parth

not in our town universities-certain
must haols. Every mat an education for specific life-work. This does not
mean a narrow education and infor mation of a purely technical sort, but equally it does not mean that
this technical knowledge can be left this technical knowledge can be left
out, or be made of secondary im-
rtance. "' I notice that one of our agriculin which it asks to what colleglar, should a young man to what studies attention (in a college course) if he desires to remain on the farm. It the comments on this circular to hear picnic. One answer was that the time to animal a large part of his that he would comprehend the life, so principles of animal and plant deknow the The farm boy must over his head-the things he has to other with every day of his life. A rivals, the bugs, and the absolute necessity of comprehending the moths
and the fungi. and the fungi. This farmer thought
that a knowledge of insects was inst as important as that of Holstein cows and Percheron borses. The
farmer who is ignorant farmer who is ignorant on such mat-
ters must come out second test cultivator. $\Lambda$ must come out second rest as a plained that there is a stupid waste cated knowledge of tree culture. Or charding is a science, and it needs well-equipped brains, as well as
willing hands. In Germany, the but in this country it is thought pos sible for one grower to cuer suc-
cessfully all branches of fruit-growing. However, I did not discover
from the discussion that our farmer desire that their boys and girls shall farmer knows that arricuiture is come ing to the front. He comprehends ped not only for raising crops, but for kuiding in civic affairs. The
farmer begins to forl armer begins to feel his dignity and indenenden
In

The Loom of Life

Hope's Quiet Hour.
$\qquad$

Fruit or Leaves. When He came to it, He found nothing
but leaves.-S. Mark xi.:

Behold, these three years I come seek cut it down; why cumbereth none When the King, walked as a Man arnongst men, He often drew His Divine
power in order to heal. He showed that God is but once at least to sinners, but terrible in only mercifup tion of sin. The sterner side of the very willing to dwelt on now. We are Friend and Saviour, but how seldom do we think of Him as our Judge. And
yet He has told us that again-not as a lowly village workman, will He do when He comes ankind. What will He do when He comes-as He came
to the fig tree near Jorusalem-if He
finds no fruit? discovered to thear the fig tree was was condemned to nothing but leaves, it curse. withered away before the terrible telling than was any object lesson, more
to warn us than. Is it intended plenty of leaves but no fruit, will be ible penalty, indeed.
The parable The parable which matches the miracle scribed a man who comes year after year to cut down a tree which isives the order bering the ground. The gardener pleads
for a year's grace. so it every possible care that he may give
to destroy if willing What lesson should we learn parables? - for the miracle was from these emn truth.
It certainly in It certainly is one of our Lord's many
warnings that sins of omission-or leav-
ing undone the thin ing undone the things we ought to have
done-are at least as great as sins of




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by Electrolysis. Our method is safe, sure by Electrolysis. Our method is safe, sure
and practically painless; 20 years constant practice has made us experts in our work
We employ only the most capable operator and assure satisfaction in each case. Cut Ing, puling, burning or using depilatories,
reatly strengthen the growth of hairs greatly strengthen the growth of hairs.
Moles, warts (on face, hands or soles of teet), scars, ruptured veins, etc., also suc mation regarding treatment for the above. or any other skin, scalp, hair or complexion
troub e. write or phone tor Booklet "F," and explain your case. We do manicurin

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The Awakening of Ezra



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They are made in Canada, and have many exclusive features many efficiency. They are the result of care ful study, by our expert engineers, of Canadian telephone requirements. Given the severest tests and examined part by part, by men of wide experience in telephone construction, they have been pronounced the highest class, the most efficient, telephone


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and longest service that will save and longest service-that will save repair expenses that will cost the least for maintenance; in short,
Canadian Independent Telephones. You may require the services of our Staff of Qualified Telephone Engineers to assist in planning construction of

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solving operating problems, Their most improved metho of buld wide experience and knowledge are at your service without cost to you.

Our large investment in the Inde pendent Telephone business makes us municipal or losted in seeing that every telephone field company enters the safest lines. A failure would injure directly the independent telephore development and indirectly our busi ness, so that it is to our benefit lend our strongest assistance to make every independent telephone com pany a success.
The very fact that our business doubled in volume last year business doubling again this year, is surelv sufficient proof that the QUALITY of our telephones, and the SERVICE we render, is above par
There are inferior and cheaper telephones on the market, but we are not competing with them for your business. We want your business on the basis of SUPERIOR QUALITY and VALUE. FREE TRIAL
And to eliminate all chance, all possibility of dissatisfaction, we offer to send our telephones for FREE RIA
In addition, we GUARANTEF hem for 10 years against defects in material and workmanship. That howsour confidence in our telephones A NEW BOOK
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imited
separate case, a receiver and shelf are attached ready for servio.

Intensive Obsepvation. By John Burroughs, in Country Life in The casual Alances or the admiring glances that we cast upon nature do not go very far in making us acquainted with her real ways. Only long enf close scrutiny can reveal these to w.
The ook of appreciation is not enough
the eye the eye must become critical and anal Close scrutiny of an object in natur will nearly always yield some significan in. I learned a new fact about the the more the other day by scrutinizing it I discovered that the wave of bloom he Gins in the middle of the head and
spreads both ways, up and down, where es in all other plants known to me with


## ptember

Aden：A British Port

| By Arthur Stanley Riggs，I <br> in＂Travel＂Magaz <br> On the road to Mandalay |  | few，if any，impurities are swept into the tiny lakes below，for wher is a bare rock uninhabited by |  |
| :---: | :---: | :---: | :---: |
|  |  |  |  |
| ped rock | lit | ${ }^{\text {However，}}$ it |  |
|  | （1） |  |  |
| of Sheol once fickered nat the ures |  |  |  |
| －underwo |  | with which they are faced，and linedt |  |
| sticky streams of molten stone，live a |  |  | Cash must alvays acompany the orocorited |
| foot of |  |  |  |
|  |  | to have withstond the durable enough |  |
| cording to tradition whereof the menory |  | ，turies of rains and floods，and b bid |  |
|  |  |  |  |
| ， | in |  |  |
|  |  |  |  |
| Garden of Eden． | $\begin{aligned} & \text { emm at } \\ & \text { a, } \end{aligned}$ | has been cracke，that it shimmers in the |  |
|  |  |  |  |
| inty： |  |  |  |
| se with the red | $y$ liines from distant Zanzibar！So Aden | position．The erritish ensineers subnuit－ |  |
| uty |  | ted |  |
| ite a |  |  |  |
| uty alike． |  | of Florence，the cement of the old Per－ | $\mathrm{F}^{\text {ARMM }} \mathrm{FOR}$ S SALE－212 acres rich clay， 190 |
|  |  |  |  |
| point of East and West ？Who first | ${ }_{t}^{-}$greatest difficulty and most precious |  |  |
| dared encamp upon the red floor of that |  |  |  |
| crater and |  |  |  |
| iel tells of＂the men of Dedin |  |  |  |
| glory，and many another any of her | necessary tor sanitary and domestic uses． When I was in Aden in 1904，there had |  |  |
| an has found in its ma | been no rain for seven years ！The bar－ |  | $\begin{aligned} & \text { R } 8 \text { RA } \\ & \text { tumbe } \end{aligned}$ |
| an Emperor to |  |  |  |
| tianity，Constantine the Good，found it |  |  |  |
| a city large and important enough to | eye |  |  |
| A．D．to establish Christian mission |  |  | $\overline{\mathrm{H}}$ |
| churches among the benighted heathen who formed its purely commerial popu－ | It is only in comparatively recent |  |  |
| ．Later，in the Thirteenth Centuries， |  |  |  |
| carrsing on a trade of vast proportions |  |  |  |
| witheypt，India and china，Natural－ |  | $\begin{gathered} \text { rullul } \\ \text { ent } \\ \text { ent } \end{gathered}$ | unlocated；state price． |
| ding na | nd |  |  |
| and the | now almost ruinous acqueduct，is very | originally conserved |  |
|  | though usable for other purposes．Only |  |  |
| England．in 1839，exerted her mighty | seventy mules away，and clearly visible | ties and expense，England perse |  |
| did the | weather，are the highlands of Yemen | and after spending eighteen years，and |  |
| ded．To－day the city is still the | vel． |  |  |
| wh | ly for the | to |  |
| n，a mighty fortress，for peace． | desiccated town by the sea． |  |  |
| ， | tradition is our only historical record， | t |  |
| the | and when the rainfall was presumably | than eight | $\mathrm{W}^{\text {SNTED }}$ |
| Province，numbering nearly 20,000 popu－ | greater than it is now，some engineer worthy of this Twentieth Century，de－ |  |  |
| nor | vised a system for providing the city | at the rim of which stands a grim Par－ |  |
| nd down ov | ${ }_{\text {with water }}^{\text {witil used wh }}$ | expectant vulture or two |  |
|  | $\begin{aligned} & \text { stil used when } \\ & \text { it worth while } \end{aligned}$ | hungrily waiting． |  |
| possible fashion，gu | Prassing rapidy by the can | day though the Tanks are benutif | $\mathrm{V}^{\text {ATTED－To rent }}$ |
| g |  |  |  |
| tween | － |  |  |
| sors． | orous pedalers of ostrich feathers and |  |  |
| Wice city it self is double．One part－ | edge of the town．There before us lie | irds．The great unwinking Asiatic |  |
| shore of the harbor at what is | the marvellous Tanks，or arutucial reser－ | elf，fills the emply reservoirs with the the |  |
| the tower－cria | crater．Aside from the Pyramids them－ | ragic day | ${ }_{\text {red }}$ |
|  | Gate of the | ears when Mden drank the the nuthorities sold it it |  |
| tound anywhere in the world－ | very end | bidder，wh |  |
| ir crinkly black hair artistically |  |  |  |
|  | that they |  |  |
| （ent looking Arals，villainous half－breeds of | and |  |  |
|  |  |  |  |
| ys．$\frac{\text { stations，}}{\text { Italian }}$ | tha skill | －banishing spell of the moonlight－ | POUTTPY |
|  | engineer took advantage of every irction larity in the schistose rock of ta | 隹 |  |
| ${ }_{y}^{\mathrm{wy}} \mathrm{al}$ | throwing out a salient anglewall | the |  |
|  | jutting spur or wave of the rock unt | Tank to ove |  |
|  |  |  |  |
| in British red wanders forlornly |  | come with their skins and buck－ | Bright Twentieth－century Man |
|  |  | buy the precious fluid． in this ruacic moonshine． | inatiog |
|  |  | ed |  |
|  |  |  | Oxy genor Comoany．C．hatha n．O |
|  |  |  | Wec |
|  | y dykes and angles，is turned by |  |  |
|  |  |  |  |
|  |  |  |  |






The Beauty of Courtesy. A story is told of Robert Browning, the
noted poeet, which illustrates his spllendid
charactur charactor, in its humility and sympatidy
with all classes of mank null

## HELP NOW

is scarce have it ready for the Fall Work.

WRITE US FOR PRICES AND INFORMATION

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 SOUTH OSHAWA, ONTARIO.also hay tools and hardware specialties

SEPTEMBER 7, 1911
THE FAFRMER'S ADVOCATE.
When Hanniloal Finished


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Farmers or dairymen who have no good local market should write to-day
Sarnia Creamery Co We pay highest prices. We pay hard cash, and we remi. after each
shlpment. You cream to your nearest relvar your A trial shipment will convince you that there is good money in shipping cream to Sarnia. We furnish best bank referes. Write for quotation card. Sarmia Creamery Co. SARNIA, ONT.

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Come or send your bif fora a good family
aw. The herd bull
 TERMS:-:-Bankabble notes


Ontario Veterinary College
temperance street, toronto


Collese Re obens october 2ne, 1911



## Get Higher Prices - Bale Your Hay !

Loose hay only brings you the price local interests fix at the local market. And you are limited as to how far you can haul your loose hay to sell it-aren't you? Bale your hay and ship it any-where-get the highest prices your newspaper tells you are offering. Thus a Dain Hay Press wil
earn for you in a season fully its cost, and go on earning you revenue season affer season

## The DAIN Pull-Power Press

is the press that will bale your hay to best advantage. You can set it at the middle of a stack or bet ween two stacks or inside your barn. Stand on either side of the machine-needn't walk around it. The DAIN makes smooth, snug, firm, quick-selling bales. Patented features no other Press possesses (YOU SHOULD ASK FOR THE BOOK
THAT DETAILS THEM) make it easier on your horses, your
help, yourself. Steel-built wherever steel is necessary. Strength
in excess wherever strength is demanded. Built to stand the hardest strain you will ever want to put upon it.

With a DAIN Press, you save time, save money, save horses, work more comfortably, need less help.

Your cuccess and profit as a hay-grower are vital matters to our
Scucesss Probably we can show you ust why and how you can
make and save money with a DANN Hay Press Unless we can
we don't want you to buy one. IF we can, you want our
FREE BOOK. Just drop usa card for it TO-DAY.
Dain Manufacturing Company, Limited dain avenue, welland,
ont.

1

toppod their cuatomary turn




 scream of ot
tite meance, shatid to their nesess and crososed themselves.
Chatering bolted and
Then Mahama shouted at Hannibal in




 the peak
Maham Eer strance thinte that it. pointing to the range. "De benststrem
 ing.,


smelt one."
"Dat's eet.

 Throuyh the anternoon nand the suceceed







## The "Premier"



## Cream Separator

Mrecon inemed

If so, make enquiries,
London and Ottawa Fairs Don't hesitate Premier, and invite osts more thar machin separators, but we give you value for your money
SEE IT. TRY IT. BUY IT.

The Premier Cream Separator Co $559-651$ King Street West,

TORONTO, ONT.
morning there came riding out
West a Mexican sugarcane planter,
horse bolted when it saw Hannibal had to be led away, while its rider To Waite he explained that for two been ravaging the flocks and young herd of his hacienda. He was unprovided
with suitable weapons to hunt the beast, but had tracking dogs. Would the
American lend him a rifle or two for the Wai blanter two excellent magazine give the planter two excellent magazine guns and
explain how they should be used. The planter said that the jaguar only raided hungry, and therefore more than extremely savage. He had heard from the nativ
Indians that wild-animal feeding had boen scarce on the range that year, had be the pumas and jaguars had been hunting in the lowtands.
". The jaguar is the king," he said. When he is much hungry, senor, he is
not afraid to take you or me." "They have not come near our camp
yet," replied
Waite, "but the yet," replied Waite, "but the large
amount of fresh meat we serve ought to "uThey will if they're hungry." ican, "when they know we are fighting them. They will come when you least expect it-they are not afraid except of
guns. Adios, senor ", But two days passed, and nothing more
was heard of the was heard of the jaguar raids. The
animal is one of the fiercest known, a
cat of extraerdin cat of extraordinary size and quickness,
a better general and a harder fighter The morning of the third day after the planter's visit opened blazing hot. The
sun made the Del Norte's waters look ike molten glass, and on the bridge the
heat was so deadly that Waite called ofir his men for a siesta, and with Tom and
Hannibal, went down to the woter and Hannibal, went down to the water-pool
for a swim. All three were in the water, and Hannibal having a riot wit
his spoutings, when suddenly a ligh
breeze came rippling in trom thater taine came rippling in from the moun-
they were but two miles distant
from the bridge, the level between the
river and the toot with cand the foot-hills being covared
Hanebrake. wind, and caught the first whiffs of the
The call haldy his playing stowed ne call had come again! He recug-
nized it. It was in that wind, it was
threat and defiance, a challenge his
cestors had
elephant life. Fe was out of the water
on the instant. Tom clinging
Once on the bank for Mahama.
His eyes were hlazing. the canebrake.
tittle hairs on
part of his botly stool.
$\qquad$ to whatever wat atmosphere. Literally CCorme on! I'in waiting! I'm no
afraid! $\quad$ Come on and meet your mas Mahama rushed in, crying:
Me leetle von, me pet, me precious was the lankuare of the East Indian ins. Well have talked to the moun-
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

SEPTEMBER 7, 1911
I'HE FARMER'S ADVOCATE



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Separatorism and leave Separatorism and leave your name for
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The 20 pound bats
are convenient -2 also are convenient-also
sold
bags in 10 ond
pund sald ind barress ; as
bags
anl \(\frac{\text { dosidrence }}{\text { Subar }}\) The
SL. Lawrence Sugar
Refining Co. Lublted, ming co. Lubled
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The investing of money cannot pe too carefully undertaken. There are no risks of any kind in cennection with the Guaranteed Investment Receipts which are issued in convenient amounts by this Company, and bear interest at from $4 \%$ to $4 \frac{1}{2} \%$, according to the length of time for which they are issued.
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regina.
Market Square, LONDON.

CANADATRUST COMPANY

## Please Mention this Paper.



cane carts had started for their first
journey over the new journev ver the en right of way.
Hannibal snifice nt the winds sweep-
iny the turnulent waters ing the turnulent at the winds sweep.
sweet naters. They
swere sweet and kindly. He turned toward
the water-pool, first placing Waite on the $\stackrel{\text { ground. }}{\text {.He }}$ He has earned it," said Waite. he let the peons carry him back
camp.

To a Little Deaf Dog. What do you think, dear little friend or the silence that has come?
Why do you think--poor little friend-
The vices The voices loved are dumb?
Does the simple creed of perfect tov

From your deep eyes the same old trust
And trom the joy that in, them lies,
You do not teal ano
But when with head upon my knee
You Enzo so wistumly
I hope, old man, you understand
trust that you who know so mue
Through your sweet dog philosophy
K now that my love holls twie
The Good Shepherd. The Lord my pasture shall prepare,
And teed me with a shepherd's care


$\qquad$
$\qquad$

Thomsh in the ruthat thentan
With Llomy herrors of trynt I tread
1.h when an

III A1, men (


AT LONDON AND OTTAWA FAIRS

## The Melotte Cream Separator

will be on exhibit


If you do not know a prove the following
We claim the MELOTTE best fills the requer are sure of dairy farmers after 25 years' experience. W we say
Prices are made in suitable sizes and styles.
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st the

THE OLDEST COMPANY in CANADA buu
The Canadian Dairy Supply Co., Limited montreal canada.


SEPTEMBER 7, 1911


THE FARMER'S ADVOCATE.


## Another Range May be Good-A " Happy Thought" is Good

 When a range combines all the most modern conveniences and when the makers insist that only the best materials should be used, and that every range that leaves their factory should be perfect in every detail of worknanship-why it stands to reason that the product, the
## HAPPY THOUGHT

Range should be a good range, a perfectly reliable range Take your time in buying a new range, It is the most im-
portant of your houschold turnishings. ${ }^{\text {on }}$ it
ont depend whether your housework is going to be a drudgery or a
pleasant task, with eurre recult When you have sead a Thounht, have heard the many special features of the Happy
of Canadian housewives enthisiastic praise of the thousands


More than a quarter of a million "Happy Thoughts are in daily use in Canada.
The William Buck Stove Co., Ltd.
Brantford, Ontario.


Please Mention The Advocate

## The Question of Farm Power

 Satisfactorily Solved grindstone, cream separator, churn, washing machine, feed, running grindstone, cream separator, churn, washing machine, etc.-ready Olds Gasoline Engine Backed by an experience of over thirty years in gasoline engineBuilt in the largest factory in the world devoted Built in the largest factory in the world devoted entirely


Engines from l1⁄2 Horse-power up. SIATIONARY, PORTABLE AND SEMI-PORTABLE.

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shabby youlls and ceilings are In applying, all that is necessary
to do is to mix it with boilin water. It dries quickly and shows no laps
white. We eomes in many tints and pure
request.


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## House Colors

Preserve your property by
keeping it spick and span with
keeping it spick and span with
More's Paints
These paints are made by the best paint-makers in the being sold in sealeady to use, ing our name and cans bear The Linseed Oil trademark Paints is pure - It is cally tested. When the pric of Linseed Oil is high, adul teration is prevalent, and the
individual purchaser not able to subject the raw material to chemical test) is apt to be "stung,"
MOORE'S Paints and
for every purpose
Roth Vurrevery purpose.
Benjamin Moore \& Co Brooklyn, N. Y.
Cleveland, O. $\quad \begin{gathered}\text { Carteret, } \\ \text { Chicazo, III. J. J.onto, }\end{gathered}$
Hicks-What does Bifkins remmend you
of?
$\qquad$


Was So Nervous
Could Not Stay In The House Alone

Mrs. Arthur Moore, Freeport, N.S;
writes:-"I would recommend Milburn'A Writes:-"I would recommend Milburn's
Heart and Nerve Pills to anyone who is weak, run down and their nerves all vousrous. I was of troubled with ner-
whes



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Canadian Horse Repository
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egerion, hent, england Expur flease men

QUESTIONS AND ANSWERS
Veterinary.
maminitis.
One morning one fore quarter of cow adder was swollen and infamed, an
vielded a small quantity of dark, yellowish color. She walks very stiff in hind quarters. The swelling on the udder is spreading and increasing. Ans.-This is mammitis (inflammation Epsom salts and 1 ounce ginger, and follow up with 3 drams nitrate of pot-
ash, three times daily ash, three times daily for two days.
Apply hot poultices to the udder. (wilk the fluid out of the udder four times
daily, and atter milking rub well with camphorated oil before applying a tresh poultice. Long and trequent bathing
with hot water may be substituted for poulticing, but the latter is better if DEATH FROM TUBERCULOSIS Cow that would have been due to
calve on May 25 th, aborted on March
and.
Sho diod vealed the dived, and a post-mortem liva nodules containing pus, and her gall
bladder was large and fluid. She had refused to eat for eight
days before death. Would the fegh heen fit for food if she had been fitted
for the block? What caused the trou ns.-The cow died from tuberculosis Ior which nothing could have been done
The disease was caused by intection.
the had beem fout tor

$\qquad$

Miscellaneous
Hydraulic ram


sunticient for a No. 3 ram.
Under above conditions, what wou

Then mive furt.

Boarding threshers


Clydesclales: Olydesclales:


## Ormsby Grange Stock Farm ORMSTOWN, P, QUE

A full stock of CLYDESDALES, imported and home-bred, always on hand,
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Lennoxville, Que,
ROSED DALE STOCK FARM HAS FOR SALE
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 B. MACAULAY, Pr

dUST 3-year-old Clydesdale Stallion

 IMPORTED CLYDESDALE FILLIES
 Shire Stallions and Mares, Shorthorn Cattle (both Porter Bros., Appleby, Ont., Burlington Sta 'P. CLYDESIDALES ANID PERCHERONS C. ELLIOTT, BOLTON, ONTARIO

HIGH-CLASS IM
Chdedale etallions and fill tor

## ABERDEEN:ANGUS CATTLE

 CALVES and YEARLINGS for sale. Also a few heifers and cows. These cattle represent Also a few heifers lood lines and families of this breed in Scstableare an exceptional lot of fine indivioland

## Prices Reasonable

your herd. Angus sires are noted best imported blood in building thus extremely desirable for improving and ally up herds of grade cattle. You are cordially invited to inspect our herds and stock?

Breeder and Importer
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RCHARD BEACH HEREFOPDS
Morriston Shorthorins and Tamworths

## H2

CHAS. CURRIE,


Robert Miller, Stouffville, Ont., Can supply young bulls and heiters of the very


ST ELMHURST SCOTCH SHORTHORNS M. AND LARGE ENGRISH BEIRKSHIRES ?

## Salem Shorthorns

Sprimarr. Springhurst Shorthorns and Clydesdales



The Manor" Scotch Shorthorns
 J. T. GIBSON, DENFIELD, ONTARIO (4) $\begin{gathered}\text { SHORTHORNS AND } \\ \text { SHROPSHIRES }\end{gathered}$
$W^{\text {ASH yourhands-not }}$ as if you were afraid them a renuin but give cleaning wash with "SNAP"



Scotch-bred SHORTHORNS
During the present montb
am offering four very choice young bulls, rear very choice ice, of the best breeding and quality, at very reasonable prices. Also some good
young cows and heifers, with calves at foot H. J. Davis, Woodstock, Ontario

Fletcher's Sherthorns and Yorkshires Stock bull "Spectator" (imp.) $=$ song4=
for sale or exemange a also choice heiter.
Talso ofer GEO. D. FLETCHER,
Erin station, C. P. R R
OAKLAND $\begin{aligned} & \text { Our herd, numbering } \\ & \text { about } 50 \text { head, } \text { hould be be }\end{aligned}$ SHORTHORNS $\begin{aligned} & \text { inspected by any intending } \\ & \text { purchasers. Many ot the }\end{aligned}$ foung heiters and a few bulls for sale Sootch Grey young heiters and a tew buls tor sale. Scotch Grey
$=$ Ozathen athead of herd is one of the best bulls in
Ontario. Prices reasonable. John elder \& son, hensall. ont. Maple Lodge Stock Farm A splendid lot of Leicesters
 A. W. SMITH, Maple Lodge, Ont High - class l have on hadd onang buls Shorthorns
 SPRING VALLEY SHORTHORNS Canadian-rote and imported. Females all them
Ases
Aso a few
good YORKSHRES ${ }^{\text {Prices right. }}$ Pheneconection. Kyle Bros., Ayr, Ont Shorthorns cher midye. very reasonable prices. Robert Nichol \& Sons, Shorthorns and Swine - Am now offerim


isRAEL GROFF. EImira, Ont.

QUESTIONS AND ANSWERS
Miscellaneous.
RIGHT TO FRUIT.
QUESTIONS AND ANSWERS
Miscellaneous.
RIGHT TO FRUIT.
RIGHT TO FRUIT A engages to work for B for one yea
for a certain consideration, 1 in areeein
to furnish a house for hime free. Th
house is situated in an orchard of aboun one acre extent, in which are fruit tree
of various kinds. 13 agrees to let
have have a garden, which is inclosed away,
from the house, but there was nothing
said ahout said about the fruit. Is A entitled to
the fruit or B? Ans. - We do not see
claim upon the fruit.
SYPHON-HYDRAULIC RAMT We have a running stream 300 fee
from house, but a bank about 10 fee
himh botwe, like to pipe it to house.

1. What fall would be necessary
keep water running is keep water running if once forced to 2 . What size of pipe would you ald
yise? 3. How should one guard against pip
ecominy stopped with becomme stopped with sand?
2. Or would you advise installing Ans. - 1. A foot or two of fall woul
make the water run slowly, but a greate
all would rall would be more satisfactory fron
every, standpoint.
3. The size of pipe will depend some what on the fall obtained. If you can
yet more than a couple of feet of fall
you had thate
 taphon a pump of of some kind to the lowe
end of the pipe. 3. This can hardly be answered defi onditions with regard to sand in th
river. I believe, however, there woult en danger of the pipe becomit ne river hecoming buried in sand. Th
lowiate this dithicmlyy, the cond of the
ine should he cumporled pe should be supported some distanc
om the botiom of the stromen.
4. Fromn the data miven, it is immos chou have not indicated whether falt

TRANSIENT TRADERS


Outwears Three Ordinary Ranges

| It is the only range made entirely of matleableiron, and charcoal iron. Charcoal iron won't rust like steel-malleable iron can't break, and while the first cost of a Great Majestic may be more ordinary ranges. |  |
| :---: | :---: |
| Half The Fuel |  |
| The Majestic is put together with rivets (not bolts and stove putty) makine boller. The joints and seams will remain air tight forever as neithe | used only on the Majestic. <br> Ask your Dealer to show you the sange mamprovement ever put into ax where other Maiestic 300\% stronger where other ranges are weakest. |
|  | Other Exclusive Features <br> It's the best range at any price <br> and should be in your kitchen. It is |
| re Asbestos Lining |  |
| addition, it is lined with os board, covered w |  |
| ron'grate-you can see it. | write us |
| - fuel and |  |
|  |  |
|  |  |

The Rande with a Renutatione


ARTHUR J. HOWDEN \& CO. 15 High-class Scotch Shorthorm Heifers

Shorthoms and Clydesdales
W. G. PETTIT \& SONS, Freeman, Ont.

## Fim SHORTHORNS

Scotch Shorthoms


Burlington, Ont
surtanam

HAS USED

## DR. FOWLER'S

 Extract of Wild Strawberry For The Last Fifteen YeargMrs. Dumcan McRae, 62, 6th St. North prandon, Man., writes:-"It is much Dr. Fowler's Extract of Wild Strawbert in my home, every Summer, for the last
"I have six
on every one of them and have used it "I use it myself husband. Last summer my baby does my months old, was taken very sick with Summer Complaint, and we thought he Powler's Extract of Wild Straw of Dr. tharted giving it to him in smbell and and in three days he got quite well, so wo kept on with the medicine for about a week or more and he became as well "My
caken very bad with years old, wa and I used two doses of the same trouble and she was completely cured.
is no other medie husband think there bowel complaints. of Wild Semedy Dr. Fowler's what an tell them Strawberry is, I am willing to ASK FOR "DR. FOW for me." ASK FOR "DR. FOWLER'S" AND FOR. ON GETTING WHAT YOU ASK O... Liminited. Toronty by The T. Milburn

DON JERSEYSI tontans more of the blood ot Golden Fern's Lad
than ay, other Jersey herd in (anada. Por sale
are beifer calves from 4 to 9 months of DAVID DUNCAN, DON, ONT High Grove Jerseys No offering: Two choice young Canada Presen ARTIMR HI TUFTS, P. O. Box IIII, Tweed, Omt dams.
DR. J. M. STEWART'S LIGHTNING COLIC CURE
 르느․․․ Casuolutely no pad after effects, as is the
on the market. -five per cent. of the cures
Cof market.

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Homewood Holsteins!


- M H Haley, Springtord. ont Holsteins and Yorkshires N

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Lessons in Mounting Birds Free-
 LEARN TO MOUNT BIRDS AND ANIMAIS



 Free Book you write at once we will send you our hacess guaranted.

 Brampton Nerseys B. H. BULL \& SON, BRAMPTON, ONT Lakeview Holsteins Som Howew forma ers will freshen and be tested here this coming winter. We and hif
them all, and they are a promising De Kol is sired by Pietertje Hengerveld Count Hengerveld Fayne

A. R. O. deand A. R. O. daughters, five of which average 30 lbs. Butter ino has 96 2nd's Homestead, who held the world's record with 35.55 lbs . butter in Grace Fayne | E. F. OSLE |
| :--- |
| $\mathbf{R}$. |

RATREIHEN RARME HEHRI STILL LEADS ALL OTHERS. have here her sire and over 50 of her sisters. We can offer butter in 7 days. We you can get any place else in the world Pontiac Clothilde DeKol 2nd, 37.21 bulls that
Denter you young than in herd. Come and our prices are right. Nearly 200 head

17, Holsteins and Yorkshires SELTON. NEW YORK

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