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Vol. XLVI.
LONDON, ONTARIO, NOVEMBER 23, 1911.
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it can reato it can reach the shredding cylinder
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Repairing a Barn Foundation
Page 12, from "What the Farmer Can Do with Concrete

## Better Make those Repairs of Concrete

EVERY fall finds some of the farm buildings need ing repairs, or alterations, suggested by your experience of the preceding season. Would it not be wise, now when you are putting in new supports to the barn, repairing places where the action of the weather has rotted the wood, or putting you walks or fences in order, to do so with a material that
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Vol. XLVI.

## EDITORIAL.

The land should he made to produce live stock, and the crops to feed them. There is no better by feeding animals on that soil. Are you going by feeding animals on that soil. Are you going
to sell your feed this winter, or will you feed it on your farm? Feed prices are high, but robbing the soil is poor economy.
There can be no doubt that the stock farmer must look for his profit to the manure heap. In a year be obtained from the sale of grain and hay than from the conversion of these into milk at a cent and a quarter a pound, or meat at six cents. But the inevitable fact stares one in the face, that such a policy must eventuate in diminished yields and unprofitable cropping. The difference between profitable and unprofitable cropping represents the value of manure. That value, calculated on a ton basis, must be high. Under ordinary Eastern conditions, manure at a dollar a ton in the field is reckoned too low.

An esteemed correspondent, in a letter incidentally commending the suggestions of the article in last week's issue of "The Farmer's Advocate,"
regarding the regeneration of the Dominion Department of Agriculture, favors the gradual employment of more specialists on the staff of the Experimental Farms in connection with the work of crop and cultural methods. The advantage of specializing on some one grain, he points out, is
illustrated by the success of Dr Chas illustrated by the success of Dr. Chas. E. Saun"lers in producing the Marquis spring wheat,
"which,", he adds "/ is worth more to Canada which," he adds, " is worth more to Canada than all the salary he will ever receive," accom-
plished by concentrating his efforts on the im plished by concentrating his efforts on the im-
provement of wheat for Canadian soil and cliprovement of wheat for Canadian soil and cli-
mate. The wheat in question is a beardless variety, very much like Red Fife, but earlier in ripening, producing flour of same excellent quality ang, producing flour of the same excellent quality, smaller than Red Fife.. It is the result of a smaller than Red Fife.. It is the result of a
cross of a wheat procuren from India and Red
It is said that there never was a time when It is said that there never was a time when
Canada's agriculture was so progressive and on such a firm basis as it is at present. It is true, however, that there never was a time when other enterprises were more progressive than during the
first decade of the twentieth centur:. Is agriculture keeping pace with the vast strides being made ture keeping pace with the vast strides being made
by commercial enterprises? Are all things being done which might be done to further the calling in which the maior portion of our population is
engaged? There never was a time in the history of the world when larger returns could be made from Wharms of the country than at the present. Theve never was a time when honest enknowhe of the business, causing intelligent applicat win oi approved principles, yielded more hando......eturns than at the present. Agricul ture dead-far from it. Yet, there are
man.
fromus in which much work could be done to our anments should realize that, in further incerests of the agriculturists, they or

LONDON, ONTARIO, NOVEMBER 23, 1911

Greater Agricultural Advancement Possible.
WHY NOT A DISTRICT REPRESENTATIVE FVVERY COUNTY IN ONTARIO?
There are at the present time, in eighteen of the counties of the Province of Ontario, District ances of the Ontario Department of Agriculture, and during the summer months some three or
four of the northern districts were favored with the services of a Rearesentative. The men in charge of these offices are all graduates of the Ontario Agricultural College, and men who, previous to their scientific training, have had a more or less wide experience in practical agriculture. These men are, as Dr. Creelman, President of the Ontario Agricultural College very aptly terms them, real " noctors of Agriculture." They, with their assistants, who also are scientifically trained, practical men, are prepared to render first aid and permanent cures in some of the prevalent ills from which agriculture suffers. Dr. Creelman also compares the changing of the heads of these Offices with the changing of the knows that a medical man is helped very Everyone knows that a medical matment and progmaterially in his diagnosis, treatment and intimate acquaintance with the condition of the vital or gans of the body of his patient, such an ac quaintance resulting from years of the practice of his profession in the family of the ailing subject. Just so with the Agricultural Representative. He opens an office in a small town in the country. He is in the best position to study the condition of everything which pertains to agriculture in that county. He is on the spot, and should know what is needed. He grows up with the work and teaches the application of science in practice. He aids in curing sour and wet soils by inducing the owners to underdrain. He can make himself a strong factor in successfully combating the various insects and diseases of the different fruit trees by advocating thorough suraying, which restores the trees to heath and them is free from tremisties. He can advance up-to-date methods weed cracaized authority on the best methods in all agriculture and instils into the youth of his district. a love for farm into the youth of the scientific information they can, in order that they may get formation they can, in order that they may get the most of ife itself. is, therefore, important that a man, after becoming thoroughly conversant with district, understanding its needs and knowing the people. should be retained in that district, even thouigh a little more salary be required holed him.
The Agricultural Representative may be ever oo ready to help those engaged in agriculture in does not secure the co-operation of the people. The real work is, after all, done by the men on the farms, but, in aiding in the ellacation of these men, the Agricultural Represmiative will in time make the best use of ther opportunity and act upon the useful sumpurns which he is in a position to throw ont ime to time. To make a live, enerpetic not afraid of work, one who dimes in aun colture, and one who is ready to Then his to it. Then our fair Province nearly fifty coun-

Whet: we look at the good work being done in the countie. already boasting of an Agricultural Representative, and when we know that they form only a trifle over a third of the counties in the proince, we wonder why the work is not extended more rapidly. There is no reason why each and every county and district which goes to mane up this great agricultural Province should not have one, aye, even more than one of these
men. for the work is a great work, and a work men, for the work is a great work, und a work agricultural brains.
Education is one great need of humanity, and he rural population is just as deserving of atCention in this direction as are the urban business
men. The one best method of educating is by men. The one best method or educating is by practical demonstration. These men do that.
Every county is in need of the information which these men tan distribute. It will cost a little to carry on the work, but the cost is not large compared with the increased returns from the farms which will be the ultimate outcome of sound agricultural education. Anything of real value cannot be had for nothing. The best horse, the best machine, in fact the best article of any description, is usually the most economical in the long run, even if its initial cost is high. These men are the best graduates of the best agri cultural college, and they will do the best work in the interests of the communities in which they are placed that can he hoped to be done. Let us hope, then, that the time will soon come when every county in Ontario will be able to say, "We have a scientific agriculturist in our county town who is doing great work in the advancement of
 iasm, and by his untiring efforts is proving

## The Teppor of Dust

That "The Farmer's Advocate " was well withthe mark some time ago in commenting upon he annoyance and injury arising from automobile aust in the summer season, is forcibly brought to mind by a recent article in the New York Inde-
 Iaden air is not only disagreealle to breathe, but positively dangerous, being flung over roadside, gardens, and into houses. "One who has no personal knowledge of the danger," says the Independent, " will be astonished at an exhibition of common road dust through spectroscopic analysis. Mineral and vegetable poisons rival each other. The dust-laden air, at five feet above the roadway, in a dust storm, contains, we are told, 200,000 micro-organisms to every ten liters. One thousand horses, in esery working day of eight hours, reposit ten tons or manure ande hindred gallons of urine. These substances constitute only a fraction of the poisonous fouling of highway dust, $\pi$ considerable part of which is picied up by the flying wheels and scattered over the gardens and hor-yards. material are thus sume the streets and material are thus. sivept out of the streets and aced where most of it is not wanted."
So had has the nuisance become that, if some effective measures are not taken for the making of
dustless roads or the abatement of the automobile dustless roads or the abatement of the automobile evil, houscholders will be forced to build further hack from the roads and streets and cultivate the
growth of lofty, dust-proof hedges to protect their
the Farmer's Advocate and Home Magazine.
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## City, Heal Thyself

Again and again, in the press and on the I lat-
orm, the country is commended as being the source of supply for infusions of new blood to re-
plenish the depleted life of the cities. The industry of the farm is suffering from this perennial drain, and is it not about time the cities were
doing something more for the purification of their own conditions and the regeneration of their own to shutting out sunlight and air with sky'scrapcrowded streets, and in the mad race of bonusing huge establishments in which thousands of hands

HORSES.

|  |
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|  |  |


When horses cannot her ir thecteon frown the cold



The horse's stomach is small. Owing to this,
are must be taken in supplying hay, water and grain, that they be given in the best possible
order. It has been shown by fhestigators that the horse's stomach fills and empties several times during the partaking of a large meal. The mate-
rial first taken is quickly crowded on into the intestines. From this, the logical order of feeding and watering appears to be water first, rolighege next, and the concentrate material last, in ordor
that it be acted upon to the fullest extent by in that it be acted upon to the fullest extent br
digestive juices of the stomach.

The use of the eutdoor blanket is as important as the use of the stable blanket. If the horse is
allowed to stand outdoors either for a short or
for for a long time, he should be well blanketed. If tation is strong not to blanket the animal. The horse cools off rapidly and may chill, so that it is kest to blanket, if only for a moment. Again, in
the spring, when the weather is fair, one is likely to think that no ill will result from leaving the fore. It is best, on stopping the animal, to see that he is well protected.-M. IV. Harper, in Manual of Farm Animals.

## Abortion in Mares.

 from the jugular vein, He also asks if bleeding tion serum, and the giving of a few drops of car-
bolic acid in the Abortion the food will prevent the accident? cidental, and infectious or contagious. The infectious form is not uncommon in cows, occasionally seen in the ewes, but very rarely, occurs in
mares. Hence, we will confine our remarks to accidental abortion. Abortion, or immature
accer whine our remarks to not reach he said to occur when the furtus has not reached that stage of development which will
enable it to live external to the parent, but when
the foetns is all the organs sufficiently developed to enable it birth. In the first a case, the it is called premature
is either dead when born, or dies soon afterwards; while, in the
second, it may be weakly and immature, and succumb after a variable period, or it may continue
 some evident, and some obscure. Very slight and
often unnoticed causes produce it. In a large per centage of the cases the causes have been unnoticed, and it is not possible to tell exactly what
caused them. Atmos? caused them. Atmos; heric influences, bad weather
or irregular seasons may cause it. Cold suddenly or irregular seasons may cause it. Cold suddenly
applied to the skin, in some cases, by causing contraction of both voluntary and involuntary muscles, is hy no means an unknown cause. Hence
a sudden change of weather, from hot to cold, is sometimes followerd hy miscarriages in females ex
posed of it. Food of bad fuality, indligestible or containing injurious ingredients, is dangerous After unfavorable seasons for harvesting foods, abortions are more numerons than when the
weather has been favorable. Frozen food or wa ter. when taken i. larec quantities, esplecially tive of ahortion. Food or herbage covered with or lirty water may be the exciting cause of the accident. Frgotized grasses or grain have often tic purgatives, as large doses of aloes, have a exertion (especially following a period of rest), as
drawing heary loads, plunging throuph dee snow, long-continuerl fast driving, etco., is dees
liable to produce it. Work under, the sadde, es pecially if spurs are used, may, by causing,
lent contraction of the ablominal muscles, followed or accompanied by contraction of the
uterine walls and expulsion of its contents; nterine walls and expulsion of its contents;
may slipping and falling, or being cast for
opengtion sult. Contusions or pressure, upon the abtornen doorwass or passages; long railway or steamboat
travelline. especially, if standing in constricted
stalls: Hows choclis; stalls: Whows, shoclis; keeping mares standling in
stalls with inclined floors; as ending and descent ing ramways, ctc., are all exciting causes. IF
citement, fear, sumden surprise, anker, etc. ar
also canses. Abortion has been noticol to heary thunder. Accass to the male hass alsoloy
responsille for miscarriage responsple for miscarriage bxploration per an
pina by an expert, in order to ascertain whether
the mare was in foal, has tieen followe when the mare was in foal, has been followed why (ion; so, also, have operations of different
abortion, it must be from some influence the have upon the sympathetic system of nerves, caus
ing a contraction of the uterine walls. or very fat animals are prone to abort. In some mares, from causes not understood, there appears very trifling cause, often no appreciable such, will induce the accident; while other mares, altho exposed to the influences apparently of most pow ful causes, will not succumb. This predispositi. cannot be recognized in an animal, and it o
disappears with ace. Many diseases, as influe bronchitis, pneumonia, or other diseases which duce coughing or bloating, indigestion, enteriti or other acute diseases of the digestive organs, seen that there are so many conditions, will he or diseases which may become the exciting causes of abortion that it is not wonderful that the accident frequently occurs, when the owner or attenily acquire the habit find the cause. Mares reading once suffered from accidental abortion, will tation at which the first accident occurred of ges-Treatment.-The accident usually occurs withtreatment cannot be adopted. In other cases, es
pecially when pecially when pregnancy is well advanced, the usual symptoms of approaching parturition, viz..
the abdomen becoming the abdomen of the vulva and enlargement of the mammer and teats, a tendency to seek solitude. and uneasiness, are more or less marked. When may become apparent through the water bag vulva. If these symptoms be noticed and the foctus still living (which fact is often impossible averted (cerine), it is possible the accident may be partially-darkened mare shonld be placed in a citability allayed by petting, etc., by her usual ruptured. If the water-bag is apparent, but not she should be piven a large dose of laudanum a little cold water, as a drench. Hot cloths placed over the loins appear to soothe and quiet The dose of laudanum may be reneated every two at least hours, until the symptoms disappear, or If the water-har be or four dises have been given. minent: it is the duty of the attendant to assist delivery, if necessary. If sluccessful in averting the accident, the mare should he kept very quiet gested and laxative food. Mares that have acquired the habit should be kent alone and very three weeks heion fed on laxative food for two or they usually abort. of course, bleeding must not be practiced, as it is an exciting canse, rather than a precentive. The
injection of anti-alortion ser tration of carbolic acid are recommended in the no beneficial action in the accidental form. "WHIP."

## LIVE STOCK.

The cattle feeder has two purposes in fattening,
catlle: 11 le desires to increase the weight of the

From experiments carried on at the Nelrasha Western Nebraska, it was found that, in order sary that the price should be approximately on than in the fundeceding fall. more in the sprine rapilly is ascessary that the cattle be fattened a Experiments have proven
That, the ponsur the fiveling period, the more ex-
tensive the pains therefore that combination of feeds which will
Cattle femerts realize that stall feeding can onis
he simecmonil irom a fimancial viewpoint when the
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NOVEMBER 23, 1911
THE FARMERS ADVOCATE
amount of dry roughage was fed in conjunction with silage to overcome when led in conjunction with silage to overcome its
laxative tendencies and keen the animals in good condition and making uniform gains.

In the feeding of hogs, where soaked feed forms the main portion of the ration, care must be taken that too much water is not used. Pigs compelted to eat cool not do as well, especially in the age of water will not do as well, especially in the
cold weather, as if only the required amount of moisture is present in their diet. It will take considerable of the energy derived from the food to raise the cold water to the body temperature and, besides, an over supply of moisture is not
conducive to the most thorough digestion of the solids in the food. In soaking ground feed, it is important that the mixture be made about the consistence of a thick porridge, and that it be soaked about twelve hours before feeding. This will be found more palatable, and is of high o quantity, but in a thinner, more sloppy condition

The value of turnips for the winter feeding of sheep was shown by an experiment carried on in
Fncland, and cited by "Shepherd Boy," where a number of these were fed on oil meals, clover ha and turnips, while others worldition on on meal food. In the same time, the sheep receiving the roots made gains of forty-two pounds per head while those getting the dry food alone made gains of only twenty-six pounds per head. In fattening
sheep, succulent food is necessary, if the greatest sheep, succuins are to be expected. Turnips ar much relished by this class of stock, and can be safely fed in reasonable quantity to the
stock, as well as to the market classes. Care at too large a quantity of roots, as the tend to produce an overlarge and flabby con dition of the fetus, often causing
turition and weak lambs at birth.

## do

III domestic animals, whether the milch con or the fattening steer, should have a reasonable amount of ex thy should be shown towards the modern fad of tying cows by their heads in one spot for five or six months, under the plea that exercise is work, and work costs food. The state
mint had better be in accordance with the experi mint had better en ce of all time that exercise is health and vigo and that food is well used in maintaining these The cow is more than a machine; she is a sen tient being, susceptible to many of the influence
which are essential to the physical welfare of the which are essential to than species an excuse for the cruel and wasteful exposure farm animals to inclement weather, which is so often observed, for this is simply a violation of the laws of kindness and economy in the
direction --I. Jordan's "leading of Animals.

Silage is one of the cheapest roughage for
cattle-feeding. In experiments in feeding stockers cattle-feeding. In experiments in feeding stockers
at the Virginia Experiment station, with the
silage valued at $\$ 2.00$ per ton, the cattle fed silace made a pound of pain for 7.21 cents, tho
led silage and stover
for in e stover alone for 42.62 cents, and those re shown that alt one for 62.47 cents. It is thus to make a pound of gain where hay composed the
ration as where silage was fed, and about si limes as much where stover was fed as where silace or silage and stover were feds. The authors
of the results of these experiments commented upon them thus: "These are facts worth considering, and should bear fruit that would change the silos may be erected at a moderate cost, and feed preserved with less waste than is usually the case" Undoubtedly, silage is the most economitwo plentiful on catte-feeding. Roughage is not those who rely upon silage to furnish the major portion of this material are far better off than the feelers who have no silo. This should warrant

## Best Paper Printed.

ar's sulscrintion for one new subscriber
not do without "The Farmer's Adv it cost twice as much, as my family look paper printed on agriculture, with a lot reading for the children. Hope that you
on d crop on "The Farmer's Advocate" year.

Our Scottish Letter.
and dry summer and autumn. October is not
vet out. lout we have had l several plain hints that winter has liezun. Today (28th) we have hard frost an! for, and the cold is quite severe. See-
ing that little more than a month has passed Since we were not disposed to wear any more put up bally with the present conditions. Severnight ago, Andrew Mitchell, formerly of A fortdie, one of the best-known men in the Clydesdale and Ayrshire world, died. He had an illness
which began in February last, and for several Which began in February last, and for several had almost completed his fifty-second year, his birthday hoeing Hallowe'en, or 31st October. Mr. Mitchell was a general favorite. He was popular with all classes, and was as much at home in the Ayrshires. He did a large export trade in pedigree Ayrshires, and shipped extensively not only to Canada, the United States, Sweden and Fin-
land, but also to South Africa and Japan. He land, but also to South Africa and Japan, He
had the bon homie which awoke confidence in lad the bon homie which awoke confidence in
foreign and colonial buyers, and was undoubtedly a valued asset in the Ayrshire world. Quite a number of notable men in the agricultural world are at present in ill health, and generally, in spite
of fine weather, most of us are inclined to be of fine eat
downhearted.

## cabinet changes and agertculiturat

## there has been an amazing shuffling of the no-

itical cards within the cabinet, and agriculture,
S usual, has come very hardly out of the deal.
wo men, not infallible or ideal, yet having con-


Oyama (13118).
Mydesdale stallion; bay; foaled 1904. Bred by D. \& 1 R. Scott, Girvan. Prop
ert of James Kilpatrick, Cragie Mains, Kilmarnock. Sire Bronson, by
tional Dairy Sch
at Kilmarnock
have hitherto had charge of agricultural affairs adjoining that is the Holmes Farm Experimental in the present ministry. These were Lord Car- Station and Poultry Demonstration School. Th rington, a genial, hail-fellow-well-met sort oi governors with the bucolic instinct; and Sir Edward and at present they are on the outlook for such a Strachey, Bart., a West of England Squire, who place. Money is wanted by all these colleges, really knew a deal about farming, especially in its and the difficulty is to know where is is be obbearing on dairying. Lord Carrington was very taine. The amount wanted is large, and tho much given serious actions, yet, the whole, he served wealthy. The urban and commercial instinct is serious occasions, Sir Edward Strachey was in- not quite the same as that of the farmer, and at dustrious, and thoroughly sound in his agricul aural ideas. Both men have been shunted. Lord Carrington becomes Lord Sir Edward Strachey has been dropped altogether -an unworthy method of requiting useful service, In place of thess, we get as President one of the outstanding failures of the Asquith Ministry, M
Runciman, whose friends say he does not know Runciman, whose fiend and a gilded youth named
cow from a cucumber ; Lord Incas, who has filled ornamental parts in the Upper House. Sometimes growls are heard re-
carding government by permanent officials, but carding government by permanent officials, but a meres we have permanent officials who know something about their work. Obviously, the re Sponsihl Ministers are mere figureheads. How
the chances will work out remains to be sean the chances will work out remains to be seen.
There a few men in the House of Commons
ho know enough about agriculture $\qquad$ to stagger city mend his Mr. Mo agricultural a is an unknown quantity. movement for establishing Small Holdings in England, and great progress was being made under Unhappily which the hogestarusel sanctioned land the came kind of legislation as was given to England, and, after prolonged fighting, the bill which was several times rejected by the House o Lords, is still in the crucible. As it is shaped are its strenuous opponents. The cause of this does not lie in its provisions for setting up small holdings, so much as in the proposal to set up a separate Board of Agriculture for Scot an That farmers, and especially stockinen, fear is this island, the interests of breeders of stock will be seriously menaced. There is no agricultural division of the island parallel with geographical side of the border is identical, and the movements of stock leave no room for dual authorities controlling interests so vital as those which affect the diseases of cattle and sheep. somehow, such are treated w the prospects of the future are not too rosy for he Scottish flockmaster
agricultural education
Agricultural education is making rapid progress es, one in Glascow have three agricultural colin Aberdeen. These have the edinburgh, and one tween them, and with the Glasgow College is allie-
to face with a bag problem." They are
overcrowded, and extension is urgently has porch Aberdeen farm of Craibsto the town, and means to make it a Scot isth Guelph. Indeed firmed that the ideal aimed at by all three colleges is Guelph.
The most successful has undoubtedly been that at Glasgow. The Robt. Patrick now Sir was an ideal ora-
hazer. He never knew what it meant to hold he is in the now that mint service, he is make his mark. The work in the West of scotland is carried on
at three centers. The teaching work is done in the College at Blythswood Square, the dairy instruction is given in the Naal So far, no wealthy magnate has arisen like your Macdonald, prepared to advance unlimited funds for the premed him badly, but may have, in true
ion. Wens fashion, to work out our financial salvation.
Scots

THE WAR ON UNSANITARY CONDITIONS.
Sanitary reformers and veterinary surgeons have been holding their annual conferences and congresses. The former met at Oban, and the lat
ter at Edinburgh. There is once more a dead-set being made against milk. I often wonder what those who talk so much about these things among us have to say to the "barns " you are building out in the West, and the homesteads seen in the
Netherlands. These, so far as I can make out, are built in sheer defiance of every theory as to are buitation, so eloquently and incessantly urged
mong us. The homesteads you are erecting in the more settled parts of the prairie and the homewhat our farmers are compelled to build here as anything can well be. On the whole, the safe
course is in the middle. The demands made upon course is in the middle. The demands made upon has seen in Canada and the Netherlands on the same lines, is capable of improvement. The at lacks of the Sanitarians and Veterinarians this year have been mainly directed against the unfor-
tunate cow. If everything one heard was to be accepted as true, instead of the cow and her produce being one of the most wholesome factors for he preservation of life and health, she must be re garded as a deadly menace to the well-being of
the community. The great object of attack was tuberculosis, and one noint upon which there was ittle agreement merits serious consideration. It is now generally admitted that milk from a cow affected with tuberculosis of the udder is inimical
to health. The question arises: Is milk from a cow, obviously affected with tuberculosis, but free of it in the udder, inimical to health? On this subject, opinion among the veterinarians was ditant. A cow may be far gone in tuberculosis, yet be sound in the udder. Anyone seeing such cow, irrespective of what doctors might say, would not be anxious to drink her milk. The unquestioned healthfulness of those engaged in agriculture, who drink more milk than anybody else. The common-sense view of the situation is: Give the cow a chance, house her well, keep her
clean, keep her surroundings clean, let all who work about her be clean, and handle all her prodce, direct or indirect, in a thoroughly cleanly way, and there is no better friend of humanity on quirements, ill-treat the cow in any way and fail to handle her products as they should be handled and there is no greater menace to the health of he. communit

SCOTLAND'S CHEESE IN DEMAND ON THE October, among other things, is the great general produce of the farm. There are three great Cheddar cheese fixtures in the British Isles Frome, in Somerset; London; and Kilmarnock, in Ayrshire. This year there has been a great run nand is for white Cheddars, and the price de gone up to 80s. per $112-1 \mathrm{~b}$. cwt. This is nearly double the figure at which second-class Cheddars were selling a year ago. The cause is largely a
shortage in the make in Somerset and the West hortage in the make in Somerset and the wes
of England generally. There, on account of the dry summer and autumn, there has been nearly one-fourth less cheese made this year than the average. But the run upon Scots cheese for Eng-
land is also due to the fact that the Scots maker has discovered how to make the Cheddar which the English market demands. It is a soft meaty, white cheese. Curiously enough, it is no easy to sell a cheese of that type in Scotland. A
white cheddar or deep cheese can hardly be sold white Dunlop or flat cheese can be sold in any quantity. Briefly, the English market demands a Cheddar made like a Dunlop, and free of coloring. have this year overrun the Scots marke buyer notable fact connected with cheesemaking is the hereditary ability to make high-class cheese. In
one class at London this year, nearly all the one class at London this year, nearly all the Somerset or Dorset. They have heen cheesemak ers generation after generation. They make Ched
dars according to a system of their own, and it is system which invariably commands a large market. We
the same kind
the MacAdams
individuals on
have an intuiti
even although
The champion
year was made
championship we
clydesmates
ND Shorthomily
Clydesdale business is stil
Society, at the last meeting of
dition of 108 memhers. The
ands have been very numerous
less than for 1910 . The recor
alteration. For the first time
first place is not hefd by Baron
is second, Baron of Buchlyvie is
horse which is making a name for hims(el)
and Yet 14839.
horse, but is coming to the front as a sir...
180. Shorthorns have also been doing well, against British cattle. We had a week of sales in the north, and on the six days the following averages were made. On the first day, at a joint sale ond, 70 head at Tillygreig, Udny, Aberdeenshire made $£ 372 \mathrm{~s}$. 9 d .; on the third, at Tillycairn and Uppermill, Tarves, the Duthie-Marr combination sale of calves gave a return of $£ 115,12 \mathrm{~s}$. 9 d . for calves of both sexes. On the following day, an average of $£ 4812 \mathrm{~s} .4 \mathrm{~d}$. for 53 head, and the Burgie Lodge dispersion sale gave $£ 317 \mathrm{~s}$. Od. for 46 head. On the fifth day, a joint sale at Aberdeen yielded an average of $£ 35$ for 170 head, and $\mathrm{l}_{\mathrm{y}}$, when the fine herd of the late John Wilson was dispersed, and 92 head made an average of $£ 65$ 4s. 9d. At this sale a cow made 700 gs . She was the dam of the bull calf which last year made
$1,000 \mathrm{gs}$. Two bull calves at the Duthie sale made 500 gs. apiece, and another made 430 gs. The averages in some cases were down, as compared with those of 1910, but, altogether the ly successful.

## Piggy.

## By Mrs. W. Buchana

ANote.-Submitting manuscript of the following verses, the author refers to a recent article by Feter McArthur, in which he had complained that animal. She forthwith undertook to fill the bill. The verses are amusing, though many will consider

Oh, I'll sing of the lig, be he little o For we can't very well do without him; he cares not a fig to be neat or be tri

But there's meat-juicy meat--and spare-ribs so That many times grace our table and the carcass And we oft eat as much as we're able.
And there's lard-snowy lard-(sometimes soft, nd we use
And the pig is a pard that we car haking.
But the pig is a friend that will last to the end Altho', as I've said, he's no beauty; That he always keeps doing his duty
He may dig, he may root, and our gardens oft But that, you must know, is his natu e may after him scoot, and threaten the Brute then with a will, he will come to us still And thrive if we give him attention; his trough we but fill with plenty of swill, And other good food I might mention.
And if we have cares in our money affair If at any time there is a shortage
bears,
eat at reducing a mortgage.
Oh, the pig is a gent, on mischief oft bent
To take him all through, he's a corker
But we will repent, and lose many a cent

The Importance of Palatability. The results of investigations made by the Mis-
souri Experiment Station in fattening cattle on hlue grass rasture, and recorded in- Bulletin No.
90 of that Station, tend to emphasize the impor90 of that Station, tend to emphasize the impor-
tance of palatability in the ration. From these results, it is apparent that the greater the pala-
tability, the greater the consumption of food. The greater the consumption of food, the more rapid he rate of gain and the shorter the period re-
guired for fattening the animals. The importance quired for fattening the animals. The importance experiments, and the results have shown conclusively that a very palatablo ration causes a greate
secretion of digestive fluids, and, consequently better diecstion and absorption in the body of
the animal. Tt requires a certain amount of feed onsumed alw of the wer maintenance require the mixing of rations. therefore, for fattening mals, their patatalilt is a factor of prime im-
portance. The mor palatable the ration, the reater will he the consumption of food, and the

## Tulberculosis - An American Bulletin

Farmers' Bulletin 473, soon to be issued United States Secretary of Agriculture, Wilson tais an important and most comprehensive lulletin or fack on worne tuberculosis. the disens wom
 uppression.
"Tuberculosis," the bulletin states, " is a man. ictims, but the chief ot take it. Hogs and chickens are quite fitent affected, horses, sheep and goats being affected but seldom, however.

The disease is contagious. It spreads from to corv in a herd, until most of them are af ecome noticeable for months, or tuberculin test, which cannot do harm to the healthy cow, reveals the germ in a few hours, and Always proves successful when in the hands of an experienced veterinarian.
"The disease is common among hogs," the bul-
letin goes on. "The public abattoirs report that a serious percentage of hogs inspected is found to be tuberculous. The losses among cattle and hogs are enormous, amounting to millions of dol-
lars annually." the tuberculosis the infection of human beings with says: "Milk is the staple food of infants and young children, and is usually taken in the raw
state. If this milk is taken cow, it may contain millions germs. Young children fed on such milk often contract the disease, and it is a frequent cause of

Meat from tuberculous cattle is not so likely to convey the infection, for several reasons. It
does not so frequently contain the ferms, cooking destroys those that may be present, and, lastly, meat is not consumed by very young children."' says: "Sooner or later the tuberculous bulletin gins to give off the germs of the disease. The germs may escape by the mouth and nose, the bowels, in the milk, and in discharges from the genital organs. When the germs are being given
off in any of these ways, the disease is known as open tuberculosis."
The bulletin concludes with: "Dark, dirty, Crowded stables are favorable to tuberculosis. ly, and it is only kept out with difficulty "Clean, airy, well-lighted stables, on the other hand, are unfavorable to the development of the not spread so rapidly and is a stable, it does get rid of as in the first case. made of expensive material or of elaborate de sign, but should have plenty of air, light and "Light is very important. Direct sumlight is a great destroyer of germ life. Tubercle bacilli soon die if exposed to sunlight, It is a disinfec-
tant, always ready to work without cost,",

## THE FARM

## Copn Regardless of Expense.

cultural college, graduate, raised 111 bushels andi56 pounds of corn on an acre of ground this past
season, in competition for a prize for yield produced, regardless of expense. The land fas well drained and fertilized. A home-mixed 150 pounds nitrate pounds muriate of potash, and with a manure spreader set for 22 was applied acre. The corn, Imp. seaming, 22 loads to the ety, was planted May 1eaming, a 100 -day vari
planter, in hills planter, in hills 3 feet and, 4 inches each way
This field was cultivated five horse cultivator, and a last time with a twoshovel fllow and a single horse. The only extre weeds. While the fertilization day's work pulling than ordinarily recommended, it shows the possi
bilities

Best in the World.

## The have heen taking " The Farmer's Advocate better farm journal in Canada, or perhaps is a

Sanitary Water Supply on the Fapm.

Editor "The Farmer's Advocate":
It may be a little strange to question the sanitary conditions on the farm, but this is what 1 am about to do, although the healthitul conditions the occupation is healthy, where even moderate
care is taken, but in many cases the farm steadare is taken, hut in many cases
Let us look into the conditio
upply. We often see it really obnoxious: An animal, from a pig to a mouse opple in, and go through the process toad, can iill perhaps disease attacks the family of decay, well, for the first time, is pronounced unhealthy, mice, cats, skunks or rats are found to be the cause of the trouble. The defective covering reerred to see a fairly good well platform, where ducks, hens, geese and turkeys are continually about, sipping up the drips of water, when the boys run hastily when thirsty and pump an overfowing cup, the overflow taking the droppings supplied the old sow with enough water to work up into a first-class mud hole, in which she seems o enjoy the most exquisite pleasure. This is ells. Thers to be found much better in appearance, but nearly as dangerous. I refer to
where the well is near the back kitchen door where the slops are thrown thoughtlessly to percoThis drinking water is often filled with the bac teria of typhoid fever, ptomaine poisons, and ther disease germs. More than that, the throw-
ing of slops at the door makes a breeding place ing of slops at the door makes a breeding place lar the house fiy, which, in turn, puts its germ nose or blinds the eyes, and is an indescribable
torment on the bald heads of so many of our old nd young men.
How can this be remedied? By attending to
some simple plans that anyone may understand Knowing that much, if not all, typhoid fever is due to the drinking of bad water, our first object should be to have that water pure. Soils, and ging the well, gauge it so that a three-foot con crete tile, such as is used in culverts, will slip
down readily. This, for a house well, is large enough, as it is not advisable to have a great quantity of water lying stagnant, as is found in
many holes that go by the name of wells. If a good spring is struck, well and good. We then
proceed to make it proof against rats, mice, toads and worms.
Having packed some nice clean gravel round have concrefe poured around it, and the same done to each length to the top. If about two inches is allowed over the diameter of the tile, the concrete mared in fre the watery, be well proof against every visible animal. surface of all impure earth, and place a layer of concrete, sloping away from the well, around it The covering should also be of concrete, form-
ing a lid, which is in two pieces. It need not be very heavy, but may be augmented by heavy
wire, angle iron, or some of the iron usually sold to the old-iron, merchant. Malke a wooden lid to crete from going through, then place a strip of stiff pasteboard round outside of the lid edgewise, licl. This should be kept in place by damp sand placed against outside. A round block should
be placed on the wooden lid, which may be kep in phace by nails. On this block, on each side, place a saw cut, to receive a piece or fare one on
sheet-iron, extending to the circumference,
each side. This will form the division in the lid, and the block will form the hole for the pump.
To form holes for bolts, if an iron pump is used, half-inch pins may be placed in the lid, according
to marks taken from the holes in the base of the heal! of pump, and another pin for brace to pump.
T flace the pump on one side of well, so that, if at any time it should be found necessary to go to
the !.ottom, the piping will not interfere. All is
now ready to put cement in for lid, excepting greasing well all parts where cement touches, inrim, plug, pins and cross-pieces, so that
will not stick. Have the concrete ready vel or pour carefully, so that neither rim,
ins nor strips of sheet-iron will be mis s to streng.then.
well, if properly made, should rarely get
If a good iron pump is put in, it should
thomere the allowell to slip down as the well is be There is no. reason why a farmer should no
ave wholesone water, and everyone should know that healt hy surroundings are cheaper than doc
tor's bills. WM. WELSH.

## THE DAIRY。

The Care and Management of the Daipy Cow at Time of Papturition

While the dairyman with the grade Shorthor may be unconcerned at the time of parturition,
the owner of the pure-bred dairy cow, for which she has passed the fourth will feel easier when finds that all is w

It is the care of the latter which I will attempt
I always take the pregnant cow from the herd
when she becomes heavy with calf, as she other wise might receive sole
It is impossible to quote a measured ration of do well during their dry spell on half their usual rations of meal, roots and silage, with hay ;
good pasture alone is enough. ' pastare a mixtone is enough
a grain ration. About two-thirds oats and one third brun, and a pound of linseed meal to each cow, twice daily. I like to see them freshen in
good condition. Their dry spell is their for recuperation, and they should not be starved. During the last ten days of her pregnancy, the cow should be carefully fed, or diarrhea in the cali may be caused. Proper treatment at this time
will also ward off trouble later. I cut off the silage, roots and grain, and substitute about four pounds bran and one pound linseed meal, scalded, and given as a mand lover hay
As a laxative, I give from three-fourths of a enough to produce a mild action, but not enough o weaken or pull down the cow, commencing a alternate night. By watching the cow, I notice certain changes. The tendons become relaxed and the udder enher, and give 1\% pounds Epsom salts, presuming her, and give 11 pounds Epsom salts, presuming that
dose.
A well-bedded box stall should now be given her. If she has had pains for some time, I disinto be sure that the calf is in its proper position. After the birth of the calf, I cover the cow with a warm, dry blanket, or, if it be hot weather, a light sheet, and let her take nature's own way of time the stall is cleaned, and plenty of dry bed ding given her. It is best to tie her up now and remove the calf where she cannot see it, and give her a pail of water, warm enough. that there is another pail, if she will take it. Plenty of water helps the bowels to move. The cow will generaly lie down now, and she should be closely watched until the afterbirth comes away, which afterbirth has been removed from the stall, the cow may be let lonse and the udder rubbed with a little goose-oil or camphorated inement twice daily. If the udder and teats are well distended a little from all four teats, taking care that it does not take too much from the cow. If the cow does not hecome excited over the calf, I conshe becomes restless and is bawling, I do not let her see or hear her calf, and commence feeding it by hand.
In suckling the calf or milking the cow, which I do three or four times a day at first, I take it fairly well distended with milk, taking a little more as time goes by, until the fourth day is past,
and even then I do not strip dry for another day. Although I believe there is little danger of milk fever if the cow has been properly treated, she should be clossly watched for the first four days. If her appearance is dull, ears drooping,
she does not chow the cud, and later has difficulty in rising, milk fever is pending. Another early in rising,
symntom of milk fever is to be detected in the
bawling of the cow to her calf. If the sound is of the cow to her calf. If the sound is paralusis alfecting the glands of the throat; an if thic symptom is marked, it is time for the in
experienced attendant to send for his veterina
rian, but the experienced herdsman should alway few hours after calving, all being well sive the cow a little clover hay, and later on a little scalded bran and linseed meal, and let this be, her rations, with plenty of lukewarm water, un may be gradually brought back to her rations. may be gradually brought back to her rations.
For the sake of the young calf, I feed no sour silage for some time.
In feeding the calf, I try to have the milk at as nearly the same temperature as if taken from for a small calf at first, gradually increasing the quantity. I feed with the finger for some time, teaching the calf to take its milk slowly. I find long swallows is a good subject for indigestion. In coneluding, I might say that in my exper ence, cows treated ten days before calving, as in dicated above, experience no sickness whatever and chew the cud before and shortly after calv Victoria Co., Ont $\qquad$ .

The Ohio College of Agriculture is now giving
practical instruction in the condensing of milk

## POULTRY.

## Fall Management of Laying Stock

part of time wher-a will malra care on the part of the poultry farmer will make or mar his stroyed or sent to winter quarters, to a great ex tent, all insect life, which is one of the most im portant articles of diet for the growing pullet. feed of some sort must he supplied ant, animal try-raisers have green-bone cutters and are usin them to advantage, but the greatest care must be exercised in the feeding of cut bone or meat scrap than good by causing some form of intestinal trouble that will be hard to overcome
One form of animal feed that may be fed in unlimited quantities, and be of the greatest bene young pultet will Give it to drink, sour it and use it to mix up their mash with. Some claim that buttermilk is of greate value as a feed than sweet milk, but my experibowel complaint unless is liable to cause With sweet milk or soured skim milk I have neve had any trouble
Besides animal feed, green feed must now be supplied in generous quantities. Turnip tops are not be had use turnips or mangels cut iney canand suspended along the henhouse walls on nails, and placed high enough that the hens have to jump to reach them; this compels exercise houses clean before putting in the pullets already done, get to work. A few lurking germs of disease and myriads of mites are liable to be with the best of pullets. and will work havoc rosive sublimate and two ounces common salt mix thoroughly with six quarts of water, and spray it into every nook and cranny of the henhouse. Before doing this, have everything ready so that every corner may be reached easily.
take an old broom and sweep the walls and flo thoroughly before I start spraying. If a sprayer is not available, use an old broom, in which event a larger quantity of solution will be required.
Follow this with a good whitewash. Wash the windows, and allow all the light possible into the building. Take off the old canvas, if you have anvas, as I have, on part of the window frame will ventilation; replace it with new, as the old Just here, in regard to ventilation, when I first started I had a large window in the south end of he henhouse, which, though old, and not the and apparently warm and comfortable lighted, the first winter, which was not at all severe near ly every hen had her comb frozen, which retarded egg production considerably. For the next winter I removed three panes of glass in the top of covered the openings with canvas, instead Since hat, although we have had colder weather, not one comb has been frozen.
Be sure that your
Be sure that your fowl are free from lice before putting into the cleaned house. To accom-
plish this, about four days before I clean, I dust all the fowl thoroughly with a powder made by taking one part of erude carbolic acid and three with plaster of Paris. to a dry, pinkish powder with plaster of Paris. Then, the evening I put
the fowl in, I go over them all again. This is
one of the most effective lice powders to be had prepared nowders only about one-quarter that of of work for nothing, but it is merely the is a lot of work for nothing, but it is merely the premium
which the poultryman must pay for large numbers of eggs later on.
Now, as to feed. No noi fail to lay in a supply of good grat, lime and charcoal for winter the best for the first two, and for charcoal nothing is better than vegetable charcoal, obtained by charring ears of corn
with the oyster-shells
Keep a deep litter on the floor, and make th hens work to find their grain feed. Exercise is
half the battle in making hens lay. Feed ety of grains, if you can, but oats should form the bulk of their feed, as they form about as nea had excellent results from feeding a small handful of wheat or buokwheat to each fowl in the morn ing, seattered in the litter. At noon I give about $1 \frac{1}{2}$ ounces to each fowl (Barred Rock) of a mash
consisting of ground oats, corn meal, wheat bran and animal meal, mixed to a crumbly condition with skim milk. At night a large handful oats is given to each. Feed good oats, if pos
sible, as the lighter the oats, the greater the per centage of hulls to be consumed in providing the necessary amount of nourishment. Be sparing in the use of condition powders and tonics. The are apt to cause the fowl to fatten if used
cess, and a fat hen is rarely a laying hen. ing. It is generally started by having too fe nests, boxes too small, so that the hens crow and break the eggs, or not sin-shelled aterial breaking when it strikes the bottom of the box Have plenty of good-sized nests, with plenty ally and intelligently, and you will have no In conclusion, I may say that anyone who is willing to give their fowl a reasonable amount of
care, and who looks carefully after the three essentials of successful poultry-keening-breeding
feeding feeting and

## Egg Eating.

Figg-eating is a bad vice which, if once ac-
quired by the flock, is somewhat hard to over-
come. it is often caused by soft and thin-shelled come. It is often caused by soft and thin-shelled
eggs being broken in the nest. A few broken eggs eaten from the nest has a tendency to teach the hens to break eggs themselves. If the vice would
remain confined to a few individuals, it would not be so troublesome, but such is not the case. A
few egg-eating hens soon communicate the vice to tected, it is often advisable to kill them, but if it
fione has spread to many members of the flock, this is impracticable. If the hens can he prevented from trouble is not likely to occur. Prevention con sists in kpeping the nests dark. Two or
three weeks of such treatment will usually ef-
fect a cure. lieed the hens plenty of grit and lime material to produce thicker shells on t
F. Jacoly, a graduate of ('ornell University
has just been secured thy the College of Agricul ture, Ohio State Viniversity, to take charge of its
new Poultry Departiment. movilled for by the last

## GARDEN : ORCHARD

Protecting and Pruning Grape



after pruning, the vines can be removed from the fore winter sets in. This can we accomplished sons warm days, on which the ton soil thaws, low the first cold snaps. Do not neglect it tor
long. However, if the land leeomes permanently frozen, a few clods of the frozen earth can be placed on the vines to hold them down an
o hold the snow over them, thus forming
good protection. If the vi
hat a winter thaw is likely to bare them
omed to the protection which the snow afiords them, and being suddenly exposed to the sever
weather which may follow, are somewhat tender and easily injured by the frost. followed in shaping and training the vines For cold districts, the Fuller system is un doubtedly the best suited to meet all conditions of the severe winters. To follow this system, as
with all systems of grape pruning it is necussary with all systems of grape pruning, it is necessary
to begin with the setting of the vine. Cut the vine back to one or two buds, and allow only the strongest one to grow. Let this grow until the end of the first year, when it should be cut back lowing year it is generally well to allow two the upper buds to grow. These buds should produce two strong branches which can be trained each way along the trellis. At the end of the
second year these branches should be cut back to within four or five feet of the main vine, and they form the two main permanent basic branches of the vine. From these branches new canes are produced annually. They can be spaced at about
a foot apart, and should be tied up to the trellis wires as they grow. Each year these should be cut back, so as to leave two or three buds on them, which means that the entire vine, after
is pruned, is not allowed to produce much mor than thirty-five to forty buds. At the approach of winter the necessary pruning can' be done, and
the vine taken from the trellis and covered, as previously indicated.
In more moderate climates, the " Kinifien Sys vines must be left exposed on the trellis through out the winter. The vine is cut back to two buds at planting, and again at the end of the
first year's growth. ${ }^{\text {The }}$, Theginning of the second year, the stronger of these two buds is allowed to grow into a long, straight cane which, at the end of this year, is cut back to about four or five
feet in length, or just long enough to reach the top of the trellis which shoun we made for it at nent portion of the vine. The next year, four
arms should be allowed to grow from the main cane, and thes should be trained on the upper and arms should be cut back to the sixth or seventh hize each year. From each bud on the arms
sith laterals are sent out in the spring. These later als bear the fruit. The annual pruning consists
in cutting out the four laterals as close to the main upricht as possible, and allowing to grow in
their places the strongest laterals nearest to the Nearly every farm, whether a fruit farm o not, has its granevine, and, with a little care,
can be made much more sightly, as well as a great deal more profitable, than if it is allowed to ramble over old fences and up into trees. Grapes
are a luxury which can be had on most farms if are a luxury which can be had on most farms if
they are cared for. Devote a little time to the aperine this fall

Some Work of the Federal Gov epnment Against Insect Pests.
$\qquad$ tnnual Convention of the Fruit-growers' A.
sociation of Ontario, November 15th, 1911. The three methods, in which the Department of
arriculture of the Federal (Government is dealin Arricuture of the rederal covernment is dealing legislation, is proposed to deal particularly with the first of these metholss on the present occasion, as
there are still many iruit-growers and others who of the introduction. eradication and treatment of insect pests, who are not as vet fully acquainted
with the work of the Ferleral Covernment in this When it is realized that about 50 per cent. of
our most injurious insects have been introduced our Most injurious insects have been introduced
into C'anada from other countries, the necessity of
taking steps to torevent the introduction pests, and the spread of serious pests alread within our horders into regions of Canala in which
thev do not occur, will he readily understoold. moth on nursery stock imported from France in 1909 was chiefly responsible for the passace of previous Ict, the San Jose Scale Act, was in hevartment. of Agriculture to fumigate vegetation The value of the from the fact that con act is obvion passage of the Act into rousinns other since the let came into force. from which it when the spread It was sefen. hrowner. Which it naturally
o be effective, the Department should have wind momigate stock entering, but should have the po rs to inspect such stock as was deemed necessa
and also to inspect nurseries, orchards, etc. power was obtained under the Destructive Inse \& Pest Act, which provided for the fumigation nursery stock and other vegetation, or for its spection, and also gave the right to enter in
nurseries, orchards, etc., and the prescription nurseries, orchards, etc., and the prescription tation and nursery stock, except certain classes florists' stock, such as greenhouse-grown plants, lorbaceous perennials, bedding plants, etc., is at six of which, namely, St. John, N. B.; Si John's, P. Q.; Niagara Falls, Ont.; Windsor, On Vancouver, B. C.; and Winnineg, Man., fumigation
stations are established, where stock requiring migation is fumigated before being released from customs, and a certificate of fumigation is given. For stock requiring inspection, a different procedure is necessary. All vegetation and nursery Furope, Japan, or the states of Vermont, Maine, Massachusetts, New Hampshire, Connecticut and hode Island, is inspectel, and the method of
ocedure is as follows.
Any person importing such stock is required to
send to the Dominion Entomologist, within five days of ordering this stock, a notice of his or which must give the name of the consignee, place the shipment arrives a notice the stock. When sent by the Customs officers to the Dominion is omologist, and the importer and Customs House brokers, also, are rectuired, under the regulations, o send a notice of its arrival. Two methods Nurser: stock enter such as Vancouver or Winnithrough certain ports port of entry, and when it hears a certificate of stock entering Ontario through certain ports, how ever. is allowed to proceed to its destination, and and the importer, an insnector is immediately in tructed to visit the consignee for the purpose of consignee may not unpack the stock, except in the presence of an inspector, who, after inspecting the ame, issues a certificate of inspection.
During the first vear of our work under the Act, over two first and one-half million plants and rees in Eastern Canada alone were examined, and
over three hundred and ten winter webs of the Brown-tail moth were found. When you realize that each of these winter nests or webs may contain two or three hundred young caterpillars of is obrious. Last season, nearly of this work plants were inspected in Canada.
In addition to the fumigation and inspection of stock, a campaign ayainst the classed as nursery which was first discovered in Nova Scotial moth, is being carried on by the Federal Department of Agriculture, in co-operation with the Provincial IVepartments of Agricilture of Nova Scotia and
New Brunswick ravases of the 1Brown-tail moth and Gipsy moth in the New England States, where these moths were allowed to spread. the neressity of taking all
possible means to olitain the control of this insect possible means to oltain the control of this insoct
in Canada needs emphasizing. In the State of n Canada needs emphasizing. In the State of arssachusetts alone over a million dollars a year
are heing spent in the attempts to control these two pests. The control will never be obtained made to the importation of the parasites been insects from the countries in which they ar these in the hope that ultimately, with the aid of man's assistance. nature vill be able to obtain the conthrough the four Counties of Yarmouth, Digby, country to the propacation of the insect is indicated by the fact that in one case a winter nest caterpillars. The insect infegts eighteen hundred apple, but also wild thorn rose oak ond ther trees. I.ast spring, for the first time, the insect was found to have spread into New Brunswich from Naine, along the coast of which it is preva its arrival in large numbers by introducing it marasites and establishing these on the native in Vovia Scotia and New in force. Its abundance in less it spreads seriously into the wild bush, un orest. we shall he ahle in will bush an anil tor stine unturned, to keep it under control. proportions as it has obtained in the New Fng In the corrving out of this legislation and work urainst the introduction and spread of in-

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solutely necessary. If importers of nursery stock and other vegetation importations, the work of
lations governing such impored as smoothly as if no reguinspection wisted. Inconveniences are only introduced when the Although account of the losses entailed by the work of such insects as have been introduced into Canada, such as the the cases the apple maggot ling moth, and they would suffer far more if other pests, such as they would suffer far more the Gipsy moth, and other insects from foreign countries, were intro duced, and they cannot but realize way possible in their advantage to assist in whe are empowered to carrying out the work which we are empowion and
do by Statute against the further introduction do by of serious and injurious insects.

## APIARY

Ontario Beekeepers' in Convention The annual meeting of the Ontario Beekeepers' Association, Toronto, on Nov. 15th, 16 th and 17 th, was verily a a gathering was represented The ladies took advantage of the cordial invitaion, "to all the sessions," accorded to them by the programme committee. A goodly number of anerican beekeeners were present, and gave evicussion, and of their pleasure in meeting so many Canadians of the same persua programme in discussions, papers, addresses, and on two occasions addresses.
Foul brood was again, as it was last year, the high note has been struck on the subject of operation, and it is possible that, when the fears of the Association have been allayed in regard to the two forms of filling, and the organization of beekeepers, will be the most engrossing subjects upon which they will be spending their energies. A bette plan for exhibiting was misterial to be available for exhibition purposes, each county to contribute its share towards a " larger exhibit of honey tha has been.
ht crop of honey last season had not quenched the zeal of the beekeepers, as the attendance o beekeeners was the largest ever seen in the hal
The absence of many of the old-time topics gave more time to the consideration of new subjects He congratulated prices obtained.
while this season's early-honey crop was very disappointing in many localities, beekeepers realized a great harvest of buckwse of feeding sugar for thereby saving the exph high prices for sugar prevailed as was the case this season.
valled as was the case "County Associations and
In his address on "Cole Their Work," Morley Pettit, Provincial Apiarist, gave a history of Canadian beeke, to the present
tions from their inception, in 1880 , time. The first evidence of any interest being
taken in foul brood was in 1886 . when a resolution was passed, suggesting that the country and appoint inspectition of any and all apiaries and o those selling bees, and also to ask the Ontario Legislature for legislation to prevent the spread of disease. In 1903 county inspectors werment of a man who was to give most of his time to the
Robert Thompson, of St. Catherines, Ont., dealing with the subject of "urchase of Supplies," said that question apPurchase of Supplies," said that the que for fifty
peals to the man who wants a dollar fupplies in large cents. If we purchase dusen the outlay. we place our goods in the hands of the middle man, we as naturally sell for a higher price, and learned the art of co-operation. His plan for starting a co-operative huying and selling sche
was to ask a member of the association to give note for the amount. required to purchase sold. Diseases of Bees and Their Treatment," il-
Iustrated with lantern views, by E. F. Phillips, wistrated with lantern views, hy E. F. Phillips,
h. D. Washington, D. C., was one of the most h. D. Washington, D. C., was one oren. The same
nteresting features of the convention. The
centleman qave his popular lecture, The Beha-
ior of the Bee," also illustrated, and "A Dis-
in this paper he

Fives hali a dozen rules to be used in case disease
was present in a hive: (1) Close the entrance to pevent zobbing ; (2) ne:er feed honey purchased no honer from diseased apiaries is sold in the neighborthood; (4), in introducing purchased queens, transfir them 10 clean cages, using candy ree from contamination: (o) cer fiseas 6) purchase no old combs or second-hand supplies, unless certain they are from healthy apiaries. The thing most essential in treating oul brood wa Mr. Yettit, in his report on inspection of apiaries, said there was nothing new in apiarian
inspection. We have the doctors on the job, he inspection. We have the doctors on the job, he emarked, but it will be some time, and require vide the nurses and hospitals necessary to cope with these virulent diseases, American and Euro-
pean foul brood. He was also of the opinion pean foul brood. He was also of the opinion flag "" to wave in front of the express train that
was carrying European Foul Brood through the The only change in the officers of the Associa-
tion was the election of Denis Nolan, of Newton tion was the election of Denis Nolan, of Newton
Robinson, Simcoe Co., Ont., to the position of president
president. Tyrrell, Detroit, Mich., Secretary National Beekeepers' Association, in treating on "Methods of Organizing," said the farmer who market and asks, "How much will you give? But when the farmers organize, it will be theirs to say how much they will take, A successfu organization must have an object, a plan, and
unity of purpose. He congratulated the Ontario Beekeepers' Association on having an organizatio to be proud of in their Honey Crop Committee which had done so much to standardize the pricl price of ' honey had yet been touched. By organizing, the beekeeper would also be able to buy his supplies at much lower prices, and save at both ends of the game in outlay and income orto success. Agriculture for Ontario, discussed "Educational Methods in Agriculture." He showed the fallacy
of beekeepers thinking that they were the only ones up against the hard problems of life, for between the producer and the consumer there was a middleman who makes the consumer wonder how his bread and honey are consumer should do is to organize, and share the profits of the middlemen between them. He doubted if there was an in dustry in the this country that was capable of such development as the honey development rested with the beekeeper himself, dependent upon individual and organized effort. Insrector Chas. Stewart, of New York Stad, in giving his experience with the treatment European foul brood, claimed thes in this cissease They are the best housecleaners of tet a building go without insurance as to refuse to Italianize in the cure of European fou heroe industry in New York State
The Association decided to make a large exhibit of honey and apiary supplies at the 1912 Flowef
Fruit and Honey Show, as this year's honey ex Fruit and Honey Show, as this year's
hibit, while high-class, was rather small.

Programme of Lectures.

## ONTARIO PROVINCIAF WINTER FAI

Tuesday, Dec. 12, 8 p. m.-Address-"Housing Poultry" (illustrated), by W.. R. Graham, Profes-
sor Poultry Department, Ontario Agricultural College, Guelph. "Marketing Poultry, MacdonElford, Prolessor College, Quebec. W. A. Brown, Live-stock Branch, Department of Agriculture, Ottawa. "Judg Wednesday, Dec. 13,10 a.m.-Address-"Judging Draft Horses," Robert B. Mare," John GardOnt. Hare old. "Care of the Colt to Three house, Me Age," John Bright, Myrtle Station. $2.30 \mathrm{p} . \mathrm{m},-$ Address
Beef Cattle, H. H. Arisdale, Director Dominion
Niscussion-By Experimental Farms, Seafth. "Sanitary Stabling of Cattle," George Fl. Day, Professor of Agri
ture, Ontario Ayricultural College, Guelph. 7.30 p.m.-Tublic meeting, at which will be Thursdn, Dec. 14, 10 a.m.-Adतress-
ines for wine," J. Har Grisdale, Director Dominion Fxperimental Farms, Outawa, Mare, Grading and Marketing hre. Ottawa.

Ontario," C. A. Zavitz, Professor of Field Hus bandry, Ontario Agricultural College, Guelph
"Conservation of Soil Moisture," Alfred Atkin son, Professor of Agronomy, Bozeman, Montana Address-"Feeding Alfalfa,", by James Douglas, Caledonia.
$\qquad$ Canadian Seed-growers' Association:
How I Operate My Seed-corn Plot," by Address-" How I Operate My Seed-corn Plot, M
T. J. Shepley, Ouvry, Ont. Address-" Some ObT. J. Shepley, Jury, in Competitions of Standing Fields of Seed Corn," J. H. Coatsworth, Ruthven, Ont. Address- The Commercial Handling and Storing of Seed Potatoes," by Wm. Nai-
smith, Falkenburg,
Ont. Discussion-Alfred Hutchinson, Mt. Forest, Ont. Address-" The Outlook for Red Clover and Alsike Seed Production in Ontario," by Dr. O. Malte, Seed Branch, cial Handling of Registered Seed, and the Meascial Handling of Registered Safeguard the Figh Standards set by This Association," by L. H. Newman, Sec'y C. S.-G. A., Ottawal Inspection
 General Discussion.

The Season in Middlesex Co., Ont. Thanks to October weather, rather than to ther things, the farm outlook in the district As a slight offset to the summer period of drouth, the heavy weekly rains during the past six week benefited the pasturage, made plowing easy, and bodes well for the silos were all fairly well flled by a good corn crop, and what routs were grow. are securely housed. Last season, a good mant of them, including potatoes, as not winter ou of doors. That experience was hustled, and nearroots were. This all farm work is well advanced. Stock goes into winter quarters in fairly good order, but the milk and its products he there is to be spring, " "it " for the man before the manger. Dairy cows and good feeders still command upward prices, but a lot, of inferior animals have gone to the canners. Hry-priced. American corn short crop, and are
is also up, and labor scarce, often insufficient, and nearly always costly. Fodders and coarse grains will have to be carefily altogether too someadows have been pasturea sean, and the cloverseed crop must have been very light. The outlook for the town householder is a continued dear breakfast tahle. The slump in the price of hogs, has if the packers continue to quote depresseã figures, there will probably, as usual, before long, fe a falling off in supplies. As one Middlesexs mand says: Let em merger wheat was sown, and probA good acreage of falt wheat whis portion of Western Ontario did it look so well. The heavy top grown should carry it well through the winter.

## Hay Crop Shopt

The report of the Dominion Census and Statisfics Office for the month ending October 31st, shows that the total area in potatoes, roots, fodder crops, hay and total products value of $\$ 219,055,000$. This is $\$ 1,600,000$ more than last vear, and there is a decrease of $\$ 3,120,000$ in hay and clover. The largest increase is shown in potatoes, which is nearly $\$ 6,000,000$ more than last year, although the product is less
oon bushels, the average selling price being 60 000 bushels, the average selling price 45 cents a
cents per bushel, as compared with cents per bushel, as of ore this year's product of
year ago. The value of hay and clover and fodder corn is $\$ 159,065,000$, which is less than and other roots and sugar beets pave value of $\$ 59.990,000$, being more than last The quality of the crons this year is 90 per cent. and over, excepting sugar beet, which is 88 potatoes, turnips last year all crops, exceper 90 . The values of
and other roots, were over all root and fodder crops this year, by Provinces,
were $\$ 5,754,000$ in Prince Fdward Island, $\$ 12$, were $\$ 5,754,000$ Brunswick $\$ 73,315,000$ in Quebec, $\$ 94,468,000$ in Ontario, $\$ 5,583,000$ in Manito in, Saskatchewan, and $\$ 6,3210$ in The area sos heing 797,200 acres in Ontario and 300,700 in Alberta. This is 2.93 per cent ess than a year ago. plowing completed range The per cent. of fall plowing completed range Island, for the Eastern Provinces, and from 18.7 in Alberta, to 34.12 in Manitoba, for the Wester in Alberta, which is less than the averages of las
Provinces.
year at the same date, For summer-fallowing

POOR
the average in all the Provinces is well over 90
per cent. for each of the three years, 1909-11,

## A Fellow Feeling

Sometimes we are forced to do some clever reasoning to square matters with our consciences.
Now, I would not for the world rejoice at another man's misfortune, and yet, when I was in
town the other day I felt an unmistakable town the other day I felt an unmistakable glow vicinity confessed that the cold snap had damaged the apples in one of his pits. When it occurred to me what I was doing, I felt badly about it, and began to hunt for an excuse. I was really
sorry that he had lost his apples, and yet there sorry that he had lost his apples, and yet there
was that glow of satisfaction. It was was puzzling, but now that I have thought
very
it out, I have decided that I was not so very guilty, after all. What I really felt was a fellow feeling for him. I had been caught
with a lot of work undone, and it somehow with a lot of work undone, and it somehow
cheered me to find that I was not the only victim. To make things better for me, the farmer who had been caught is one who has been held up to me
as a good example. After this, I shall pay more as a good example. After this, I shall pay more
attention to the things he does and try to learn from him, for I have found that he is human like myself. When you have been feeling for a few
years that you are a poor, blundering mortal in a years that you are a poor, blundering mortal in a
land of people who never make mistakes, and who land of people who never make mistakes, and who
are always up with their work, and who sniff superior at your way of doing things, it is
enough to give you a happy feeling to find that there is a man in the neighborhood who is capable of the best farmers got caught, and was willing? to confess it, made my heart open to him. As
the poet says: "A fellow feeling makes us wonthe poet sa,
drous kind.'

This incident, and the solution I arrived at
made me feel that perhaps I have found an ex planation of the difficulty experienced by those culture. The speeches they make and the agri culture. The speeches they make and the papers
they write describe such perfect methods and such invariable success that they go oyer our heads. They lack human svmpathy, though just how t give them this quality is something of a problem
Each man has his own way of being sympathetic But one thing is certain, most people are afraid
to attempt to do things perfectly. They would to attempt to do things perfectly. They would
rather go along in the old way than try some new rather go along in the old way than try some ne
way with which they may score a fallure. W all admire perfection, but few of us hope to at
tain it. If the feeling could be got abroad in the land that it is no disgrace to fail in trying bette methods, and that the man who fails has not for having tried, more men would try, and much good would be accomplished. If the men who
fail would only recount their experiences with fail would only recount their experiences with
good humor, and not he ashamed, we might learn good humor, and not be ashamed, we might learn
as much from them as from the men who do things perfectly. I really think that if some of the lec turers at the Farmers' Institutes devoted whole evenings to telling of their failures, it would be a
great help. The rest of us might be indued great help. "The rest of us might be induced, like
Topsy, to ".fess up," and they say that confession is good for the soul. It is the failures that we hide that discourage us and do us harm. If we discussed our failures with those who have suc-
ceeded, they might be ahle to help us mnuch more ceeded, they might be ahle to help us inuch more
than they do now. I suspect that some of our best farmers have had the necessary experience to
deliver excellent lectures on their failures
Speaking of confessions, I want to confess a and that is the way that 1 read bulletins of the Department of Agriculture, and even "The Farm er's Advocate." Like other people, I have al-
ways been fond of travellers' tales and accounts of explorations in strange countries; but now that
Peary has discovered the North Pole about the last spot on the map has been written about. quer, and the bulletins and farm papers supply us
with just the information we about these fine cattle and horses, and We rea quipped
same wa

## Ind men who anthropophagi

The stories and articles are hat does not make them any the luss fass,
ng. We read them as if they wero appenings in another world, and are nil....
nade envious nor roused to action. ounts of wonderful cows, and am ent hralled
escriptions of their amiable habits hat I have any hope of ever owning on
neaking feeling that cows like that neaking feeling that cows like the t need a lot of
are that I could not hope to glve. What I need
is a cow that can do a lot of hustling for her own living. Then there is the discussion that is
going on about hired men. We read that, with mild wonder and perhaps a little disbelief. We once, and there may be a few specimens surviving in remote districts, but we never hope to see one again. The last one seen in this section passed
through in 1907 . He stoped a few werk ly to earn enough money to take him West. Since then we have heard of hired men only from let-
ters in " The Farmer's Advocete,

The cold snap was certainly sudden in its move ments. One day the thermometer was standing above zero. The worst thing about it to twelve it caught many farmers who attend to their roots potatoes and apples in the traditional way. As people say that pits should I have heard wise people say that pits should not be too warm in
the fall, just lightly covered, and that Norther Spy apples are better of a light touch of frost Recause of this, many of the pits were in no condition to stand the midwinter frost of the past was the plight of many herds of fat steers. The pits owners had them pasturing, in many cases, farms at a distance from their homes (on those all-too-plentiful farms that should have signs
bearing the inscription, "Owner moved Wet'" The result was that the cattle were caucht with out food or shelter, and in many cases had to stand for a couple of days shivering in the fields But more than farmers and their stock were taken
by surprise. Even the wild birds, with their wol derful instincts, were caught napping. Wild weos-
dithe wild bids, with their have been going over steadily since the cold snap came, and on the coldest day I saw a lock of
blackirds. When even these awares, ordinary people who depend anen unawares, ordinary people who depend on the
weather reports in the newspapers and their own knowledge of the seasons, are not to be hlamed as the birds. Personally, if I could live as wisely mistakes as they do be content to make the same

Now that winter is with us, and sleighing long for some of the good old winter pleasure that have been imbroved out of existence. It is ing School." We now have highn or a singments, with professional elocutionists entertaincommand either laughter or tears. But I would give something to hear some of the old stand-by recitations again. Make no mistake about worth while. A short time aro, an orator was his eational reputation assured me that much of he had had in the coum was due to the practice years ago. To prove it, he stood upuses thirty for me, with the old familiar swinging rhythm sing-song intonation
"Come hither. Evan Cameron, come stand beside my knee
hear the river roaring, down towards the wintry
sea ! There's shouting on
within the blast
Old faces crowd around me, old forms go trooping
past!"
old forms and old faces come back repeat it the old forms and old faces come back again, and dled in a sleigh-box that was well filled with hudstraw. I may remark in passing, that long time since I have seen any pea-straw. Then a dollar to be allowed schools, where we each paid voices once a week for three months tops of our When the teacher succeederl in rettin each winter. every schoolhouse, some of us vould follow him on
his rounds night after his rounds night after night. Of course, we tried since those happy nights. As a never even fact, I never ventured to sing, except when there was such a noise going on that no one but myself
coull hear my voice. Nowadavs, however, when a kirl or boy suspects that they have real, when
they go away to some city learn to "holler," scientifically. Conservatory and "hro" the." skilled that they can sing "Coming Sout in Italian or some foreign language - - Wrey when It think of the fun they are missto get safely into
cads knocked off
en soaked at the oung people throw $=$ $=$
merit was that they could bellow like the sulls old-time precentors who used to lead the with the in the churches, and get the richt note the singing a tuning fork. Sometime I am going to make an have any pleasures that make un for the ones that have passed away

## P. E. Island Letter

"Chill November's surly blasts" are with us tle are The crops are all safely housed and cat in sight to $y$ in winter quarters, with lots of feed on the Iscand them through the winter. 'Crops The rainfall was a little below a good average. vious year. was a tittle below that of the not enough rain but Qucen's and Prince Sounties got a larger share was a little short all over ciover crops. Hay winter-killed, but there is a large amount of hay left over from the 1910 crup, which will more than supply the deficiency. Stock is not in quite with its terrin, on rood quality is scarce and Gies. Grass beei of root crop just stored and dear, but the excellent preparing the thinnier animals for theat help in Oats are threshing out well, but will not
out as well as last year. Wheat has yielded weigh Potatoes are nearly up to the average. Turnips helped the dairymen to tide corn did finely, and grass and come out with a good milk account of the close of the season. This has been one of tia most satisfactory dairy seasons in our dairy busistations has lacked a little in co-operative dairy returns to the patron will he the largest he the received. Milk will realize the patron consider-
ably over $\$ 1.00$ per ably over $\$ 1.00$ per 100 pounds. Cheese has sold at about 2 cents a pound more than last a "boost," as is ulready in evidence in the in creased price of the milch cows. Our winter butter business is now in full swing, and the very
high price for butter will tend towards high price for butter will tend towards keeping
the cows milking well on into the winter. Prices for some lines of farm produce are very
good. Oats sell at 45 c ., potatoes at 35 c . $\$ 13$ a ton, Dut pork and lambs are away down, latter at $\$ 3.50$ per hundred alive. $\begin{aligned} & \text { a } \\ & \text { At a closing }\end{aligned}$ out sale of farm stock that we attended recently ordinary farm horses sold for from $\$ 150$ to $\$ 200$ The Farmers' Institutes are at extra prices. nual meetings this month, and arranging angrammes for the winter meetings. These Institutes have been a great help to our agriculture in ing only the best seeds and the necessity of sowing only the best seeds and improving their farm
stock; and, by working co-operatively lines, the farmers have succeeded in introducing many pure-hred sires, and so have graded up herds to a more profitable standard.
this matter in the organization oi a " Ceing taken in this matter in the organization of a "Central In-
stitute" for the whole Province. This Central
Institue, Institute, composed, as it is, of delegates from all the Farmers' Institutes on the Island, will afford unitedly in demanding their ophare of our revenues for the advancement of all matters connected with the farmers' calling. There is a strong demand here for the getting of more agricultural teaching schools, as well as the Prince of Wales common It is claimed that our present system, College. as regards the trend of teaching system, especially
Wales College, takes our Prince of away from the farm, but also a a fay from only
Province, to encage sions. Then, there is the question other profes
transportation transportation, which will not down. On accornt short hanls to get our farm produce to the mare farmers demand is a Government ferry What our Straits of Northumberland, connecting the across the ernment railway here with the Intercolonial ravi-
way on the other side, and by doing away with
the privately-owned chance to reach our market by paying one through rate, instead of three, as as we do now
These and other matters of importance will reas the organization of it is completed, which will
be at a rmeetin." and the Vinnal convention of the Fruit-growers, November 29th. Apruit Show, will he helld here on November 2 sut Aplls have heen a heavy crop
here this year. and the quality A-1. Shipments
havo been made to
stock Judging Competition at Fall Faips.
There is no better means of gaining knowledge of type and conformation, and at the same time acquiring confidence in ability to judge live stock than the actual placing of a few classes of animals in competition. At several of the county fairs in Department of Ack located, stock-jud ing competitions for young men have been inaugurated during the past autumn. These have proven of great interest to all stockmen, young or old, who have attended these fairs. At the North York Fair, recently held at Newmarket, such a competition was put on for the first time, and thirty young men, between the ages of fifteen and wenty-ive, horses, dairy cattle and beef cattle The competition was in charge of W. E. J. Edwards, the Agricultural Representative, and its uccoss speaks well for him, and goes to show hat can bo de of agriculture. Such competitions are very commendable, and there is no reason why very fall fair, whether a large exhibition or only a small country show, should not ofier prizes for the best work done by young men in stock-judg-
ing. Where there is no Local Representative of he Department of Agriculture to manage the work, some of the stockmen on the Fair Board could handle it very well, and such a move on the part of the management of all our fall fairs would ve stock among the young farmers and farmer's sons of the country.

Bpitain's New Minister of Agriculture.
The Right Honorable Walter Runciman, a photoravure of whom appears on this page, who has
ecently been appointed Minister of Agriculture, or President of the Board of Agriculture, by which name the office in the British Cabinet is castle-on-Tyne, and has represented the District of Dewsbury in Parliament since 1902. In the re cent reconstruction of the Cahinet he was trans-
ferred from the office of Minister of Education, which he had filled for some years. He was edu-
 Board from 1905 to 1907 the Local Government retary of the Treasury in 1907-8. "A The new not known as an the Live-stock Journal, "Is member of his party, and it is quite probable that his work at the 1oard of Education may stand him in good stead in the new office, as one of the ims of the future is evidently to be to systema-
ize agricultural education." Mr. Runciman's salary is $£ 2,000$ a year.

The second annual meeting of the Northern Nut-growers' Association will be held, on the in
vitation of Director L . H. Bailey, at the New vitation of Director L. H. Bailey, at the New
Yori College of Agriculture, Cornell University
Ithaca thaca, N. . Whembers in this and 15th, 1911 Sombership in this Association is open to all per
sons who desire to further nut culture. The cause is worthy, the subject not unimportant, and the
meeting should be profitable. o shora be prontable.

To the Marquis variety of spring wheat, origi
nated by Dr. Chas. E. Saunders, Cerealist at th Central Experimental Farm, Ottawa, and grown longs the credit of securing the $\$ 1,000$ gold priz for the best exhibit of wheat at the Madison Square Garden Land Show, New York, as re-
ported in "/ The Farmer's Advocate" for Novem-
ber 9th

[^0]"Exsy to Laloon for Those You Love."

the articles touching on the inrm-labor question which have appeared from time to time in "The Farmer's "Advocate," and have hean pleased to
notice the kindly sentiment displayed in some of them, but I have felt a fear lest the original end in thus commenting on this subject (which I understand is the solving of the labor question) might be lost, and instead thereof, a controversy arise between farmers and the raborers on a basis

I believe it is difficult to write on a subject of the kind now under consideration without the possibility of hurting some person's feelings, but I am sure that such a design is far from the in a case of the In my opinion, it is a good plan, general condition rather than instance some the circumstance. Perhaps, again the question might be asked what is the "general condition," that it might be known from the " more rare." I do not feel that I am capable to satisfy all minds as touching this, but it does seem to me that the in stance cited lately, concerning the Englishman of Tt is, I believe, an undeniable fact that in some fistricts the labor question is not only get before serious, but is serious. The thought that is farm labor is the retaining of what therercity of is it that the farmer cannot (or does not) keep his hired man, and why is it that the hired man does not stay with the farmer? This, I believe,
cones very close to our question. Then, what is the answer to it? Perhans few would care t o;ienly endorse my sentiments, and some ma


The Right Hon. Walter Runciman.
Appointed Minister for Agriculture in the British
hink that they have no bearing on the subject, but I believe there are more convinced of the fieve there is too little love existing between me nd masters (and masters and men), and too much bestowed upon the money part of the quesof money is the root of all evil," and can we not trace it out in this matter? The hired man's complaint is (and perhafs it will be admitted as many; that they do not like the choring at night. Why is it that, the farmer has his man choring so late at night? I do not refer to the attention to his team, but the feeding of pigs and the milk-
ing of cows after nicht. Is it not because it ing of cows after night. Is it not because it
brings him in money? Then, again, the fault with the laborer is that he wants too much money, according to the farmer's views. Both would set
about to justif about to justify themselves on their different
points, the one suys that, if he has to pay big wages, he has tot to get the work out of the hours, he is wing to make the farmer purt up the wages. Whit, then, would the writer say-that
the laturer should work for the farmer because he loves him, and not get any wages, and that the
farner should pay the lahorer mone farn... should pay the laborer money, and not exrert any work from him? No, but is it not
they are the better prtepared to satisfy one an-eje-service as men-pleasers," thinking to do enough to earn his wages, and that's all, but will love for him farmer, he would not keep his man to get as much out of him as possible, but the mutual love would
create in each a desire to do unto others as they create in each a desire to do unto others as they
would be done unto. Perhaps the question would be asked, " Suppose that one of the parties was disposed to look at things in this light, what is he to do in his dealings with the other man ? Surely he will find the answer if he censiders the
subject of doing to others as he would be done The writer is a native of London, England, who came to Canada at the age of fifteen years, practically alone, which was about seven ycars ago, and has worked on the farm for the most of
that time, and is now putting in his second term with his present employer, but, although a luburer, he has endeavored to write without any preju-
dice.

Unusual Intepest Shown in the Horticultural Conventions. ONTARIO FRUIT-GROWERS' ANNUAL CON-
would be difficult to find a more alert, keen, usinesslike body of men than those which met at he Canadian Forester's Hall, Toronto, Novemiber 5 th and 16th, for the annual convention of the ntario Fruit-growers' Association. There was, marked air of prosperity and firm belief in their business shown by all the large number present The attendance was perhaps the greatest in the Association's history, and the meetings wor an unqualified success throughout. President Donald dustry strides than ever in the next few years. Much of he progress being made, he thought, was due to the work of the Association in opening up new narkets and improving transportation facilities He dispelled all fear of overproduction injuring the business, and stated that (ntario frut had now found its place in the marke the wort chard planting is increasing rapidly, and the nex few. years will see larger numbers of trees set out han ever before. The awakeaing he traced monstrationers of heir possibilities," said Mr. Johnson. The West rners need fruit which they connot produce, and here is a large market in the home land. The revival has been general from Georgian Bay to the counties bordering on Lakes Erie and Ontario and to the Eastern counties, as well, where hun dreds of thousands of trees are being planted annually

Spraying and good orchard care, he thought had been practiced this year more than ever, an yet there was much room for improvement. Mr Johnson urged the appointment of a committee of thorougnly fualitied men to inspect the apples a point of shipment. He did not believe in politi cal appointment of inspectors, and asced the As sociation to eppoint a committee to look into th
 rades of dine of standard sices for the difiere

Limit the number of varieties
Prof. W. T. Macoun, Horticuiturist, Experimen tal Farm, Ottawa, advised growers not to plan too many varieties. A large number of new vari
eties are originated each year, but very lew are especially valuable. befure planting a new var ety, the gruwer should ve sure that it is recoll mended by the experiment stations. New apple are propagated from seeulings, anu the only on
of promise during the past year has been the Nor folí Beauty, a dark, orange-red apple, origiuate in Norfolk County. A number of $\downarrow$ romising mcIntosh Red and Wealtny seedlings have Leen proyafound in the Omaha Wew really valuable Varieties have been propagated this year, although thousands of seedlings have been grown.
the railroad worm.
The Railroad Worm or Apple Maggot is not, as many suppose, a new pest in Ontario, said W. A. investigation int thas been in charge or special the nast summer It is found in the following counties: Prince Edward, Lennox, Hastingsi Frontenac, Northumberland, Durham, Ontario, The injury is dincoln, Welland and Noriolk.


The unique exhibit of Norean Liner of Apples
which make winding, brownish streaks or burrows he believes to be the greatest factor in renderin through the fruit. emerges in July. The egg is laid under the skin of the apple, and the insect hatches and begins work. Infected apples become woody and unfit for use. Thatructiont ref all fallen fruit twe gathering Hogs or sheep will usually keep this fallen fruit cleaned up, and much of it can be profitably disposed of to the evaporators. Harvest apples, sweet apples, Snows and Spies seem to be the appears to be exempt from attack. Very acid varieties are much less subject to attack than subacid and sweet apples. Good orchard practice seems to keep the railroad worm away, conclude
Mr. Ross. Mr. Ros
THE NEEDS AND POSSIBILITIES OF OR-
Four needs of the orchard were pointed out by demonstration orchards who has been in charge trict, chief of which he thought was manure. H did not think it possible to grow large crops pruning. More trees are left too thick than are too severely thinned. Speed is necessary, and for this he recommended long-handled shears. Care fruit cannot be had without it. Cultivation. he placed as the last essential. This, he believed depends largely upon locality. Mr. Kydd thought no other branch of agriculture was pro-
gressing so fast as fruit-growing. More spray gressing so fast were bought by growers the past season than ever before, but still there is a great deal to be accomplished. He cited conditions in the
Georgian Bay District. Orchards, he Geargian Bay District. Orchards, he said, in Sim
coe County will nut average $\$ 25.00$ per acre coe County will nut average $\$ 25.00$ per acre,
whereas, if all were properly cared for, $\$ 100.00$ per acre would be a low estimate. Possibilities, he thought, were unlimited, and that from $\$ 100.00$ to fruit, and in 1911, the first
$\$ 225.00$ chard chard which in 1909 gave $\$ 200$. 00 ; in 1910 , unt care, $\$ 510.00$, and in 1911 , the scoml sar
proper treatment, boosted the returus Greater care is still necessary in piching and pack ing, said Mr. Kydd, in closing.

CULTIVATION A PRIME FACTOR. The greatest factor in successful orcharding
cultivation, according to Prof. J. W. (row He believed that it was more implow than trilizers. In experiments carried at Woburn Experiment station

- were better where no fert
good cultivation adopted amount of fertilizer was "it buds, and so no more
condition. Nitrogen and humus can be added by
the use of leguminous cover crops, and thorough cultivation will accomplish wonders; so that, be fore buying chemical fertilizers, the soil should be carefully studied, to show what is needed. Underdrainage, said Prof. Crow, can safely be
recommended for all clay or clay loam orchard soils, unless on a heavy slope or a sandy or gravelly subsoil. It adds more root area per tree, an thus more food material is reached.
The subject of fall plowing raised an interesting
discussion. In view of the fact that it makes discussion. 1n view of the fact that it make
earlier spring cultivation possible, and because carly spring cultivation is important, Prof. Crow rather favored the idea. Fall-plowed land does not frecze to so great a depth as unplowed soil
It opens the soil and puts it in It opens the soil and puts it in a first-class me
chanical condition through the action of the frost and, while it will not hold the snow as well a
inplowed land on which a cover crop is growin Prof. Crow thought it would be all right southern Ontario, and could seo no reason w vided it wes done very shallow. Much discussio followed, in which Dr. C. H. Riggs, of the Carer for Orchard Company, Toronto, cited a case of a orchard which gave a good crop on the spring plowed section, and a very poor crop on the por tion fall-plowed. Other conditions may ha
operated against the fall-plowed portion. Windbreaks were discussed at length, and was pointed out that it is quite possible to get them too thick, so as to obstruct the free circu lation of air, so essentia
A BRITISH MARKET FOR OUR PEACHES C. A. Dobson, Jordan Harbor, and A. C. Biggs, of Burlington, adtressed the convention on the possibi Mr shipping peaches to the British comprised some 3,500 boxes of Elbertas, and the results convinced him that it is quite possible to market our peaches in Covent Garden, London, in good condition, and at a profitable price to the
grower. High-class trade is all that we can hope to cater to, and in picking and packing it must be remembered that fifteen days will elagse between picking and marketing. If peaches are selling here at one dollar a basket, to make a profit they
must bring two dollars on the English market Growers were urged to keep in close touch with the Cold-storage Branch. No complaints were received by either Mr. Bigys or Mr. Dobson, a fact and to its good condition unon arival handling is imperative, and double wrapping adrisable. Thoroughness, Mr. Biggs believed to be the keynote of success in the venture. He thought advantage to hold the cold air in the boxes upoon
adight and leaving the cold storage, and thus enhance the keeping qualities of the fruit.
CARING FOR? THE PEACI ORCHARD) ". The Care of the Peach Orchard ", was the subject. of an address by F. M. Clement, B. S. A. of Elgin County. Gooil varieties he considered the first essential to success. Different localitios re
quire different varicties quire different varicties, so it is necessary to
study the district in which the orchard is to be located. Proner pruning and cultivation must be attended to if good results are to follow. Much diversity of opinion is shown in peach-orchard
practice; some cut back and thin severely practice; some cut back and thin severely, while
others do not practice cutting hack at all, and each seems to get good resilts. Strong, thrifty trees, well fertiiized and well cultivated, can be expe'ted to do well if tre climate is suitable. Late
cul'ivation must be aroided, or the trees will suffer. Cultivation shonild cease about the first or middle of July, and a cover cron be sown. Mr. Clement believed that thinning the fruit would nav large returns, but most of the growers, he said,
lacked tre couraze to do it.


06

The first e ening session was deroted to ad
and
ensses hy A. (i. Turnes, Provincial Horticultur dresses by A. G. Turnes, Provinclad Morticultur-
ist, Frederictor, N. B.; W. T. Macoun, Dominion
Horticulterist, Otawa; Norman Jack, Chaternguay Basin, Que.; and Harold Jones, Maitland
Ont., or frutegrowing in New Brunswick, Aova 1y. Mr. Turney ontlined the rossitilities of New
Brunswick, showing that as yet the industry was Brunssick, showing that as yet the indisistr, was
in its infancy, and few men depended upon it for a in its infaet he believed that Fameuse, McIntosh,
living, yet
Rethel, Dudley, Duchess, Wealchy, King, Spy and Rethel, Dudley, Duchess, Wealthy, King, spy and
Ribston apples could ibe grown successfully, and, as land could be obtained for a very low price,
he thought it a good place for investment in fruit lands. It has an immense gengraphical advan-
tage, being close to the Oldi country market, which is a great consideration.
The Province of Nova Scotia has the longest horticultural history of any part of Canada, dat ing back to 1 Cornwallis and Annapolis Valleys are well fruits, and, to a limited extent, neaches and grape are grown in these valleys. Gravenstein, Tomp Spy, Rhode Island Greening, (iolden Russet No pareil and Wagener apples do well in Nova Scotia Nova Scotia, in climatc. price of land, and acces
to market. compares vers- favorably with the other to market. compares vers favorably with the othe
Provinces. and is making rapid strides in fruit growing, according to Mr. Macoun.
Many of those present evinced surprise when Norman Jack stated that apples could be success-
fully grown in nearly every. county of the Province was considered lack of widom to plant a commer
cial orehard in Quebec. Famense, St. Lawrence McIntosh Red and Alexander, are varieties now recommended by Mr. Jack for planting in Quebec on a commercial scale. Wealthy also does well.
Other fruits, as pears, plums and small fruits, succeed well in Quelpec
Mr. Jones, in slealing of British Columbia's fruit industr, praisetf their well-organized meth cherries and plums are duiny ver: well in the Province, as are also small fruits. Insect pests and fungous diseases, he suid, were not very troablesome, aphids or cherry slugs being the most
numerous. Orchards in British Columbia pay expenses, and show a drofit at eirht years ace In some flarts the temperature falls too low for tender varieties of apples, and trees were noticed quite shatisfied the flects of rows. He wa thinks we have ideal fruit-wrowinc conditions at though British C'olumbia, like every other district has its own peculiar adrantages.

PEACH DISEAEF IN ONTARIO gave one of the best audresses of the convention, He discussed Leai-curl brown peach in Ontario spot Gum lise se Gian Crown (Gall, Yellows and 1 ittle Peach. The las two named diseases are the worst enemies of the peach, as they cannot le controlled by spraying,
but by a system of careful insyection by thorough-

1. competent men, and the prompt destruction of
all trees showing sumptoms of the disease, these two can be controlleci quite successfully. The large number oi diseases listed would indicate that
peach-growing is a difficult proposition, but nearly and therough be overcome by careiul cultivation showed more interest in the discussion of Little Peach and sellows, and for this reason special the premature ripening of fruit, which is highlycolored and blotched with redl on the outside, and the inside is also more or less streaked with red first vear is usually laryer the diseased fruit the following years it gradtally hecomes smaller. Welladrance I diseased treas show dormant or concealed little "n the main bratiches, which often hurst into and teome curled and clustered. Diten turn vellow the iollowing year the yellow tinge will show, and times kill a tree in two or three years, but they hy Whine the fellows, the fruit of trees affected le Peach ripens later than normal, and is
somewhat smailer. This must not, howrelied upon too much, hecause affected
we heen frequently found on which the ned near the uiswal time. and was about
as healthy fruit. The second year the II be much smaller. There is no high collblotching of the fruit, as in tellows. The
varactoristic and relable sumptom of the
is the peculiar way in which the leaves - It the peecliar way in which the leaves
 Giten wine ale noticen with all the outer or terminal toliage redtish and sicily, but the central
 brown spots apoon the lea rigor, and oiten show imgus. Isuds afien burst in the axils of the but, unlife yow on the main branches into slender, bushy twigs, with narrow-pointed Yellows and 1. itte Peach are very destructiv,
discases. These diseases are now widecpront diseases. These diseases are now widespread in
all the peach-growing states north of ilabama, and are now found in the Niagara District of ', m ario, where, according to Mr. ('aesar's astimate,
50,000 of the $1,200,000$ peach trees showell svime, toms of these diseases. Ibout nine-tenths of these trees were foundi in about thirty-five orchards. : he Cause of the disease is as yet unknown. "are
shonld the taken in the selection of buds instersted in Fiery urchard should be caremally disease 1 trees marked and removed immediately Mr. 'aesar thought that a good biologist should be appointed to spend his summer studying he diseases, helping inspectors to recognize the work. Ite also urged the carrving on of demon strations in each district, and a better training of inspectors, who, he said, should get higher pay, as
the present rate of wages is not high enough to the present rate of wages is not high enough to
keep the best men, and encourage them to do their hest work. He recommended that the inspectors Covernment, and that the salary the increased and $\$ 3.00$ a day and expenses in the beginning, which hittie pelch ani riauows in nelion CTTLE PEACH AND YELlows in NEW YORK Following Mr. Caesar's address, came B. D. Van Buren, Assistant Mr. Van Burean has har a wide perience with these diseases, and strongly favors Government appointment of inspectors. Inspection commenced in New York State in 1902, when forty and 2,63.3 trees were found diseased inspected, 44,000 trees were inspected, and 2,005 found diseased. In 1905, 133,000 trees were inspected, of
which only 803 were found diseased. In 1906 which only 803 were found diseased. In 1906,
129,327 trees inspected, and 901 diseased. The inspection of 1907 showed 730 diseased trees out of 115,100 inspected; that of 1908, 11,297 out of 418,$000 ; 1909,96-100$ of 1 per cent. of 497 ,
$000 ; 1910,4,768$ out of 506,$000 ;$ and 1911, 8,410 out of 564,000 . This shows the magnitude which the work has attained in this State, and al prompt destruction of disease 1 trees, these diseases can the successtully held in check. Each diseased must be removed within ten days of marking Many of the best growers use the axe freely pre vious to inspection, cutting out all suspicious looking trees, with the result that orchards of nine and six diseased trees, respectively, in one vear. He urged that every fruit-grower be his
own inspector, and that no sickly trees be allowed

## ORCHAKD TFACHO

ORCHARI TIAASING.
Riggs, of the Cared-for-Orchard Company, Toronto, addressed the fruit-growers on somewhat new phase of horticultural enterprise in Ontario, that of leasing orchards. To make profit, he said that much deyended upon the geo bility of labor, access and egress to a large center the number of trees available in the locality, the water supply, and the condition of the roads ove Which the iruit must the havald be riven definite areas to supervise and in his opinion, a late summer spray of lime sulphur is beneficial in promoting high coloring and bet ter development of the iruit. Asked as to wha July or earls August, when the foliage is ripened II! and hard, good results follow the application of the lime-sulphur at ordinary winter strength. This statement provoked much discussion, many o
the fruitmen resent pplieving that so stronir spras would ingure the ioliace, even at so late a been so truated, and they were very fine snecimens indeed. ITe was a s'omg advocate of careful and swent that no wroard can be brought to a suc
 Mon that no other fruit than fancy or first andow the estahlishment of conoperative can
interest, and mans good suggestions were thrown assoclation directors.
The following men comprise the directorate of association for the coming year: Wm. Al-
Otlawa; W. II. Dempsey, Trenton; Wm tainton, Oshawa; L. A. Hamilton, Lorne Park, Lake; J. Gilbertson, Simcoe; D. Johnson. For-
est; R. R. Sloan, Porter's Hill; F. M. Lewis, BurRowm, Adam Brown, Beaven, THE DOMINION CONFERENCE OF FRUIT GROWERS.
Jas. E. Johnson, manager of the Noriolk Jas. E. Johnson, manager of the Noriolk
ruit-growers' Association, believed that the as-
ociations were outgrowing the education of the people. He believed that all, the associations admitted should show qualitications entitling him to become a member of the association. This he claims can only come from educating the growers in up-to-date fruit culture in all its branches.
(irawers, merchants, dealers, and all concerned, are now agreed that co-operative associations are a great benefit to the industry, and that because of the better quality of the fruit everyone from fit. He urged that a competent man be sent to the Old Country to study co-operation there for six months and bring back a report. He also
advocated the meeting of the local associations at least once in two weeks to keep abreast of the work. Small associations, he believed, would be preferable to those of very large membership, A. W. Peart, of Burlington, impressed upon those present the great need of fuller fruit statistics. In the annual report of this branch four allotted previously Apples and small fruits were the only fruits receiving a column before, but now vineyards and gardens have been added. He proposed that the Provincial Government be umns for the acreage of apples, pears, peaches, plums and small fruits.
A discussion followed on the advisability holding a nationall apple show in Toronto in 1912, but the proposition was turned down almost unanimously, the members believing that better work could
the Provincial show.

## RESOLITTONS

Resolutions to the following effect were passed he associatio
That committee of the association be appointed to procure the latest information with rehat they report to the directorg or
. That the Ontario Government be requested to provide a short course for fruit inspectors at the ().A.C., Guelph, and that they grant certificates to each successful student; also that schools ties. the transportation committee, with a view to im proving the railway companies (o) protect fruit, and that the railway companies ruit in cold weather. . That he ore to study co operation and market conditions and report to the said Government. prices of fruit cabled from their agents in the lld Country and published ion the Dominion 6. That the association urge upon the Do
minion Minister of Agriculture to appoint a com minsion Minister of three from each Province, composed of fruit dealers or growers of prominence, to selec and recommend for appointinent fruit inspectors . That the homerms issued to basket manufacturers, so as to insure the uniform size of fruit haskets. That the association endorse the recommendation made by L. Caesar, that Provincial and insects of fruit trees. 9. That the Government he asked to amend size for each variety. the Inspection and Sales Act, and appoint a harger number of inspectors, and that inspection be made «iven. That every effort be made in the propaga11. That every effort be made in the propaga-
ion of new frnits at Jordan Harbour. 12. That the association convey congratula
tions to Hon. R. I.. Borden, on his good juder ment in selecting Hon. Martin Burrell as Minister of Aericulture; also that congratulations be for-
wardec| to Hon. Martin Burrell, whose appoint-


## Ontario Vegetable Gpowers Convention.

The seventh annual convention of the Ontario
Vegetalle-growers' Association, which met in the Vegetalle-growers' Association, which met in the
City Hall, Toronto, Nov. 15th, was in the City Hall, Toronto, Nov. 15th, was, in the pinhistory, in attendance, erithusiasm and actual protit derived and business transacted. The vergeacting their business in a thoroughly businesslike manner. IRRIGATION
The onening address, by President Thos. Ne worth, was one of optimism. In spite of the
drouth, the vegetable-growers have had a very suc drouth, the vegetable-growers have had a very suc
cessful season. The drouth has, however, emphat
ind sized the need for some system of irrigati in which need has been felt ior several years. in
this problem, there are three questions to l,e considered: (1) Water supply which must be ghun dant: (2) power for handling same; (3) methot of applying. The Hydro-Electric nower is solv ing the problem in some places, while the intro,
duction of such irrigation systems as the "A tkin ner " is fast solving the sroblem of application. The producer should get nearer to the consumer, said Mr. Delworth. The middlemen are get ting too much profit, and the vegetable-grower
get the onus for high prices. The Association have this results from seed potatues from New small quantity of this seed from that district in Tornnto for distritution, but the deman. 1 has
already exceeded the supnlv many times. Carloal lots are needed to supply the great demand. Mr. Nelworth pointed out the difficullies that
frequently arise from the lack of legal standards frequently arise from the lack of legal standards
of measiurement, especially potatoes in bags. In ing the aid of scientific investigators. In his opinion, the vegetable-growers need their hell
along many lines in which they are especintly along many lines
fitted to give aid.
rbgetable possibhiaties in new on-
The report of the Secretary-Treasurer, II.
I.oc'se Wilson, showe 1 rogress in all departments,
and especially in point of numbers and the growth
of the co-operative split and gractice. He spoke in glowine terms of our $16,000,000$ acres of fer-
tile land in greater (Intar: A great future tile land in "greater" "ntar". A great future
lies before that conntry, which is esjecially suited
to the production of the potato. With no potato blicht, rot or beit les to contend with. Mr. Wilson thinks a man with hut a very iimited hrain power
could grow potato sery successiully in that wondeffully fertile soil. I ready marhet is a vaitable
at their doors in the conbalt, siluer and nickel
 ronto for 70 cents fer thishol, 1, 亻 the tens of thou-
sands of bushels, that
have a wonderfully good chanc a with conly one
third of the distance to shiq) and the cosi with Ontario in ireight ratus. Iroul si Nombly


 new ones. Tha camble of co-operative buyine

transportation conmittee, composed of Messrs. Fraser and A. A. Adams, of Leamington;
Kerr, of Ottawa; Weaver, of Dunville, and French of Sarnia, was appointed to wait ufon the Railway Commission to have railway and express rate attended

> ORGANIZATION THE KEY
W. Baker, who has syent considerable time in organization work during the past year, em-
phasized the importance and the benefits of orphasized the importance and the benefits of or-
ganization. Organization is the key that unlocks ganization. Organization is the key that unlock
all doors closed against us, said Mr. Baker. And we possess that hey, all we need is to use it The growers, as a rule, are ready to organize. All that is required is someone to lead. We must
show the growers where they can make dollars and cents out of it, however, for this is the great
drawing-card. Mr. Baker had assisted in the or drawing-card. Mr. Raker had assisted in the or
ganization of six new bratiches. This following ganization of six new branches. This following
winter, in his ot inion, should see many new branches organized. The convention finally ap-
pointed Mr. Baker official organizer for the com-
question again came up for discus. sion. It was clearly pointed out that married men and tenant-houses where boarders may be stant emnloyment must be given for these men, however. A resolution was then moved and carried unanimously, that a man or men be appointe

TOMATOES IN BRITISH MARKET

A very atle paper was given by Geo. Cooper,
Grimsby, Ont. He thinks that most of the stacles may he overcome, and that if we wish make a place in the British mariset, we can do so paying more attention tomato of better quality, an tivate the English taste to use our tomatoes free ly, and get a good price, if agents are stationer products in the distributing points to place the ments have been made to the larger citics. Some The above address was much yet the growers see no money for them in the British market, as was plainly shown by the dis SMALL FRUIT-VARIETIES AND METHODS " New Methods in Small-fruit Culture" wa He emphasized an address by W. H. Kerr, Jttawa He emphasized the importance of getting the vari resist disease best, and are the best money-makers test the beo free to give up old varieties, and test the new ones very carefully, said Mr. Ker
With strawberries, he thinks it high quality and get the ketter price. . stress on the importance of all the best methods of planting and cultivation, but especially the securing of good plants. It pays to keep a ropais an important consideration, and can be had by fall-plowing, keeping ground as firm as possible and by sustaining a good earth mulch at the sur face. He claims much benefit from having ber in sight of you good market. In raspberries, he recommended for early market, Marlborough ; for merium, Herbert ; for late, Cuthbert. The Her used some commercial fertilizers this summer, but moticed very little results till late in the season,
when he found that the canes, where the potas fertilizer had heen used, were fully a foot lonyel than those where it was not applied. This wa on rich clay loam soil. The Dewherry is prosing o the large black raspberry.
In s!eaking of gooseberries, he pointed out that ther required clay soils, with plenty of moisture Bol. In closing, he stated that the way to keep horys on the farin was to pay them hetter and take them
into part nership. Give them the opportunity to learn the value of moner. These things, he
thought, woull solve our lator problem. W. T. Macoun, of the Ottawa Fxperimental Thim, gave a short retort of the work carried on their work. They are working on early but firm strains
Comatous, e.g., C'entral Experimental Farm
 whect corn has also been introduced, Malichoti,
Wperimental work is also being done on peas, Int

College, gave a short report of his work, the nain appeal of which was the great need for more greenhouse equipment: That should be the mos.
important line of vegetable work at Guelph, on ac count of the short season, which makes outdoo icclennan in greenhouse work, Mr McClennan reports that the sub-irrigation sys
tem is the best treatnient for tomatoes and let tem is the best treatmient for tomatoes and let
tuce. He has found a cement bottom very un satisfactory, and has put in cinder bottom for to
matoes.

A resolution was moved, and carried unanimous y that an effort be made to ineet the needs o dation, and also enlarged lecture-rooms. Mr. Mc Clennan wants something practical to give the tudents to carry away with them
J. B, l.und presented the report from ordal
Harbor Experiment Station. They are now using ewer varieties, but are testing more methods o Their main work consists of testing varieties, cul tural methods, and obtaining data for breeding ng purpose
SEED POTATOES FROM NEW ONTARIO.
The production of seed potatoes in New OnLario whs the subject of a useful address by T. G. using hardy wad was proven past summer, in the use of Maritime seed. The arther north, the better the results are. As had arready been pointed out, the clay belt had idea conditions for production of potatoes, but our quality varieties, which sold just as well in the camps. Therefore, growers must pay a good price. But the seed could be easily had if ar rangements were made with competent growers Mr. Raynor thought that seed peas could also bo
grown to good advantage in that district for the pea weeril is as yet unknown.
A resolution was then put on record that fifty acres of the Monteith Farm be given over exclu put in charge. Also, that another experiment station like that at Ottawa be established at some central point in New Ontario.

DEVELOP PURE STRAINS OF SEEB
Dr. Tracey, of Cornell University, Ithaca, N
impressed upon those present the need veloping and maintaining present the need of deHe claimed that seed producing a uniform produc is essential, he said, to form a clear concertion what is needed, and then select seed nlants ver carefully, after which make a growing test, and select only the very best, and plant reserve seed o
those which have proved best. It is hard Dr. Tracey, to get a plant which does not said and it is also hard to keep up the type. The seedsmen in many cases, he thought, hesitated to put the best seed upon the market, for the simple for handling. They often do not consider the grower as they should. For this reason, it wil prove the grower many times over to grow and im which masterly address by d. C. James, i the Continent, portraving conditions his tour om here, opened the final session. The farmers businesslike was. Mr. James' enthusiasm took a strong hold upon the audience, many of whon ter work in the future.

Hon. J. S. Duff also gave a very encouraging
talk. He emphasizell the importance of the fruit and vegetable business in Ontario, and also spok
of the great develoment which The convention was concluded with an illus Ithaca, emshasized co-operation, specialization and busi visoll retting very close to the retail business m.thorls of packine packages for different fruit the value of putt ines etc. He clearly pointed ou the urower's name win a fancy label, so that the

 as of sartable growing, imst as much as

The Great Flower, Fruit and Honey show.

Eight years ago, the exhibit of the (1ntario It
ticultural Society, as far as box-packe. 1 apples a concerned, comprised only hirirteen boxes, and the concerned,
oxhibit was made in a small siating rink in To
ronto. At the 1911 show, which wis held durronto. At the pek at the commodious st. Law-
ing the past weer
rence arena, over liree thousand boxes of fancy rence commercial apples were displayed. This inand com fairly indicative of the general progres.s.
arease ind
which has been पuade in apple orcharding in gener which has ben wade in apple orcharding in gener
al in this Province. Never before has there been so many apples brought together at an Ontario so many appeer has there been ayples of such high quality exhibited in this Province, and seldom, if ever, in any ented. Pears and grapes were there Thit represented. vegetabl.s, honey and flowers.
too, along with, ver
toples, howeve, formed the bulk of the show. Apples, however, formed the bulk of the show.
The sight that met one's eye upon entering large arena was one to be remembered. The en
tire tire West side was one mass of apples from the
loor to near the roof. These were all box-packed and placed on a slope from the floor up. At the north end was to be seen one of the finest, if not the finest, commerche exhibit of Lambton County which comprised upwards of four hundred boxes o
select fruit. The exhibit was so arranced as select frut. The exh the sunty. Lake Huror
make a colored map of the count was shown in green apyles, mostly Rhode Islan
Greenings. The county itself was represented by a solid mass of red apples, spies, Baldwins, King of Tomkins, and others, while the land borders were shown in neativ-wrapped frut. It was great exhibit, anc Beside the Lambton exhibit was seen the splen did exhibit from Norink County. A box of apple from this tot carried of the sweepstakes prize of quite ripe, and packed rif-raff, or a diagonal side priseatsome three hundred boxes, and, in standar most of the first prizes. small exhibit Norimik exhibit was situated packed fruit of ligh quality. For the first at tempt, it was to be commended, and rellecte tive who put it up. Then came the large exhibit from ontario six hundred hoxes, all of superb quality and in good condition. A collection of twenty boxes of
Spies irom this evhibit was worthy of special mention, and won first prize. They were uniform
well colond goorssing to tolity cont south end of the building, the \%ood quality continued. Here was situated tie beside it was placed an exhibit which for quality (ieorgian apples were not showinf so ripe as many of thos of hetter keeping qualities. Over 150 boxes made up the exhibit, of which the greater proportio $\underset{\substack{\text { were } \\ \text { Difirectly } \\ \hline}}{ }$ mirectly in the center of the south end of the arena was seen the most unique distlay of the
slow. The Northumterland and Durham fruitgrovers had out about 500 bowes, placed facing each other, in the center of which was an occan
liner, all built oi apples. It was a beautiful In the center of the building were three exhirits, those of Brant Counts, Dundas County,
and New Brunswick. This was the first year for ereat hnswick apples to he on exhibition at this
 the packing that this irrit travelled all the great
distance from New 13runswick to Toronto, and
and The Inudas exhihit comprised about sixty
 a
 Wrowne Dutwards exhinit was uriotunately, reall womod commercial fruit I.coment the entire bailding were chrysanthe
 in $\quad$ Hiles of all kinds were of the fomm uph

puwer sarasing intits.anufacturers of tarm imstements in and machinery
It was the nemimens statement of all officers
and althan greatest show e er held in Ontariohigh, athongh the standard this year was very
hitro will De put forth to make cuch
and evers coming showand every coming show better than those which
pany individual permit of a full prize list, as
many individuals were showing small lots, besites
the counties mentioned. The show served to im-
the counties mentioned. The show ser ved to im-
press upon all those present the great horticul
press upon all those present the great horticul
tural possilitities of this Iroovince, and the wid
area upon which fruit can be successfully grown.
It was also a great ohject lesson, showing clearly
the results of cureful sirraving, thorough cultiva
tion and up-to-date methols, of handling hoth
orchards and fruit. Prizewinners in the fruit sed
Export varieties-barrels ready for shipment:
Baldwin-1, Jas. E. Johnson \& Bros Sipmen Simeo
\&imcoe. Ben Davis-1, J. T. Duke, Ruthven
2, Sidney Trevail. Taunton; 3 , Wm. Dyer, Colum
Gus.
Golden Ruset F. Mewis, Brant
truit Golden Russet-1, F. M. Tewis, Brand
hawa; 3, Isaac Higkins, Oshawa. Greening (R.
hon $\boldsymbol{1}$, R. T. Michael, Brooklin; 2, Jas. E. John-
on
E. Johnson \& Bros.; 2, Norfolk F.G.A.; 3, M
Crawforth, Whitry., Spy-1, Norfolk F.-G.A.; 2 ,
C. Dempsey, Trenton; 3, F. M. Iewis, Bur-
ord. Stark-1, W. H. Stainton, Oshawas 2 , Geo.
2. Hare, Gratton. Any other Variety-1, Jas.
E. Johnson \& Bros.; 2, Norfolk F.-G.A.; 3, Isaac
Rush, Norwich.
Export varieties-boxes ready for shipment



bery-1, Wm. Dyer, 2, P. C. Dempsey. Fa-
meuse-1, W. G. Watson, Dixie; 2, W. H. Demp-
(heuse - 1 , W. G. Watson, Dixe: 2 , W. H. Demp-
Sey; 3, Geo. Goring, St. Catharines. Gollun
Russet-1, W. L. Hamilton, Collingwood; 2, R.
stork, Columbus; 3, Isaac Huggins. Greening

saac Huggins. King-1, Noriolk F.-G.A.G.
Ias. E. Johnson \& Bros.; 3, Wentworth F.-G.A.

, py-1, Jas. E. Johnson \& Bros.; 2, R. Stork
fixport varieties-boxes ready for shimen
(fruit wraped) - Fameuse 1, W. G. Watson 2
W. H. Bunting; $3, \mathrm{~J}$, B. Guthrey, Dixie. Graven-
stein-1, W. H. Stevenson, Oshawa; 2 , Elmer
${ }^{\text {t.ick, Oshawa; 3, S. Snowden, Bowmanville. King }}$
-1 . Wentworth F -G.G., 2, W. H. Bunting; 3, W
f. Watson. Mcintosh -1 , W: G. Watson; 2, Jos
Baker: 3 . The Bipgs Fruit \& Produce Co, Bur
Baknon. Spy-1, Norfolk F.-G.A.; 2, W. G. Wat
linktor

Watson, $2, \mathrm{~J}$. B. Guthrey; 3 , W. H. H. Stevenson.
Iomestic varieties- barrels reall for shipment
IDomestic varieties-barrels ready for shipment
Blenheim-1, R. W. Grierson, Oshawa. Graven


M. Westney, Pickering;
hawa; 3 , Wentworth F.G. R. Roxbury Russet -1
In

mer, New Durham,


Brampton,
Fimer Tick;
Gravenstein- -1,
D.
D. Whyte,


Collingwood, 3, W. G. Watson. St. Lawrence
1, W. G. Watson; 2, L. Stephens, Orilliaj An
other variet -1, Norfolk F.-G. A.; 2, Jas.
Johnson \& Bros.,
standard winter varieties-5 boxes of each


Standaral winter varieties -10 boxes of each

peit) andary wint in Remmer, pickering, 2, Mil
Remmer, Pickering; 2 , Mil
Rociation, Milton.

-Jammer Mhnson \& Bros.



Waddle; 2, Went worth F-(A.A.; 3, W, IV Ste-
enson. King-1, W. L. Hamilton; 2 , W. (
venson. King-1, W. L. Hamilton; 2 , W. G.
Watson; 3, Jas. F. Johnson \& Bros. McIntosh
-1, W. G. Watson; 2, The Biggs Fruit \& Pro-

- W. W. Watson; 2, The Biggs Fruit \& Pro-
Mce Co.; 3, W. L. Hamilton. Wealthy - 1, John
McDonald, Cornwall; 2, W. G. Watson; 3, J
Mclonald, Cornwall; 2, W. G. Watson; 3, J

3. Guthrey. Spy-1, W. L. Hamilton; 2, Nor
R. Guthrey. Spy-1, W. L. Hamilton; 2, Nor-
burg-1, Norfolk F.-G.A.; 2, Wentworth F.-Gr.A.
Jas. E. Johnson \& Bros. Any other variety
4. W. G. Watson; 2, Lawson \& Fairhead; 3, W.
ooking varieties-nlates of five:-Alexander-

Dempsey, Baldwin-1, Wentworth F.-G.A.; 2,
Cared-for
Fruit Co., Toronto; 3, Jos. Picket,
Cared-for Fruit Co., Toronto; 3, Jos. Picket,
Cixie. Blenheim-1, W. G. Watson; ${ }^{2,}$ J. B
iuthrey; 3, J. G. Brown, Humber Bay. Cayuga
-1, R. Thompson; 2, F.. M. Lewis, Brant Fruit
Growers.
Greening (R.I.)
growers. Greening (R.I.)-1, W. L. Hamilton;
2, F. G. Stewart, Homer; 3, R. Thompson. King
-1 , Norfolk F.-G.A.; 2, Jas. E. Johnson \& Bros.
3, P. A. Fisher, Burlington. Ribston-1, W. G
B. P.A. Fisher, Burlington. Ribston-1, W. G
Watson; 2, W. L. Hamilton; 3, E. W. Moyle
Watson; $2, \mathrm{~W} . \mathrm{L}$. Hamilton; 3, E. W. Moyle
Langstaff. Spy-1, W. L. Hamilton; 2, V. G
Hector: 3 w
Langstaff. Spy-1, W. L. Hamilton; 2, V. G.
Hector; $3, \mathrm{~W}$ G. Watson. Any other variety- 1 ,
J. O. Duke; 2 John McDonald: $3, V$. G. Hector.
J. O. Duke; 2, John McDonald; 3, V. G. Hector
Standard winter varieties- 10 plates of 5 spe
cimens each:- Baldwin-1, R. Thompson; .2, Went
cimens each:-Baldwin-1, R. Thompson;. 2, Went
worth F.-G.A.; 3, W. G. Watson. Grening-1
F. G. Stewart; 2, Geo. Goring; 3, W. H. Bunt
ing. King-1, Norfolk F.G.A.; 2, W. F. Watson
5. J. B. Guthrey; 3, V. G. Hector. F. Watson
17 Cones of fruit-(cones with a circular base of
17 inches diameter) $=$ Ben Davis -1 , Sidney Tre
vail; 2, W. L. Hamilton; 3, Wm. Der. Baldwin
vail; 2, W. L. Hamilton; 3, Wm. Dyer. Baldwin
Fisher. Blenheim-1, W. W. Watsen; 2, R.
Grierson; 3, W. G. Brown.
Gravenstein-1, J. B
Grierson; 3, J. G. Brown. Gravenstein-1, J. B
Guthrey; 2, D. Whyte; 3, E. Lick. Fallawater
Guthrey; 2, D. Whyte; 3, E. Lick. Fallawater-
1, W. G. Watson; 2, W. H. Stevenson; 3, P. C
Dempsey. Fameuse - 1, W. G. Watson; 2, F. M
Lewis, Brant F.-G.A.; 3, B. Bewis, Brant F.-G. A
1, W. G. Watson; 2, F. M. Lewis, Brant F.-G.A.
3, Hugh Pugh, Whitevale. McIntosh-1, W. G
Watson: 2, W. G. Robertson; 3, Jos. Baker. On
3, Hugh Pugh, Whitevale. McIntosh-1, W. G
Watson; 2 W, W. Robertson; 3, Jos. Baker. On
tario-1, W. G. Watson; 2; W. H. Westney :
tario-1, W. G. Watson; 2 , W. H. Westney ;
Wm. Dyer. Spy-1, W. G. Watson; 2, J. B
Wm. Dyer. Spy-1, W. G. Watson; ${ }^{2,}$ J. $\quad$ B. B.
Guthrey; 3 , Isaac Rush. Wolr River-1, John D
Guthrey; 3, Isaac Rush. Wolr River-1, John
McDonabd; ${ }^{\text {D }}$. Whyte; 3, Isaac Huggins.
Pears-plates of five:-Anjou-P. B. Guth
rey: 2, R. Thompson. Bosc-1, P. A. Fisher
Clairgeau-1, Alex. Glass, St. Catharines; 2 , J
Clairgeau-1, Alex. Glass, St. Catharines; 2, J
Buch. Guthrey. Duchess-1, C. Molcroft, Ouk
(ville: 2, F. Stewart. Gieffer-1, Geo. Goring
B. Guthrey. Duchess-1, Stewart. Kieffer-1, Geo. Goring
ter Nelis-1, Alex. Glass; 2, P. A. Fisher. Any
other variety-1, W. M. Robson, Lindsay; 2, F.
other variety-1, W. M. Robson, Lindsay; 2, F.
G. Stewart.
Export varieties-boxes ready for shipment
(fruit wrapped) :-Anjou-1, G. A. Robertson; 2
(fruit wrapped): - Anjou-1, G. A. Robertgon; 2 ,
F.
F. Stewart;
B, Thompson. Clairgeau-1,
F. G. Stewart; 3, R. Thompson. Clairgeau-1,
I. B. Guthrey. Duchess-1, G. A. Robertson; 2,
F. (F. Stewart; 3, R. Thompson. Kieffer-1, F.
F. G. Stewart; 3, R. Thompson. Ki. Kiefter-1, F.
G. Stewart; 2, R. Thompson; 3, W. H. Bunting
Lawrence-1, F. G. Stewart; 2, R. Thompson.
awrence-1, F. G. Stewart; 2, R. Thompson.
Grapes-3 bunches:-Agawam-1. R. Thomp-
son; 2, F. G. Stewart. Concord-1, F. G. Ste-
Grapes-3 bunches:-Agawam-1, R. Thomp-
son, 2, F. G. Stewart. Concord-1, F. G. Ste
wart; 2, R. Thompson. Lindley, 3 bunches- 1.
wart; 2, R. Thompson. Lindley, 3 bunches- 1 .
F. G. Stewart; 2, R. Thompson. Niagara, 3
F. G. Stewart; 2, R. Thompson. Niagara, 3
bunches-1, Geo. Goring; 2, W. H. Bunting. Ver-
gennes, 3 bunches-1, R. Thompson; 2. W. H.
gennes, 3 bunches- 1 , R. Thompson; 2 . W. W. H.
Bunting.
Wilder-1, R. Thompson; 2, Geo. Gor-
ing. Wilder $-1, \mathrm{R}$. Thompson; 2, Geo. Gor
ing. Any other desirable variety-1, W. H. Bunt-
Any other desirable variety-1, W. H. Bunt-
inf; 2, R. Thompson. Black Grapes, 9-ib. bas-
ket-1. Geo. Goring; 2, R. Thompson. Red Grapes
9-1b. basket-1. Geo. Goring; 2, R. Thompson.
White Grapes, 9-1b. basket-1. W. H. Bunting; 2.

6. Thompson; 2, F. G. Stewart. Red Grapes,
R. Thompson; 2, F. G. Stewart. 2, Red Thompe,
fancy package-1, F. G. Stewart: 2, R. Thomp-
son. White Grapes, fancy package-1, R. Thomp-
son; 2, F. G. Stewart.
Collections:-Exhibits of fruit in commercial
packages ( $60 \mathrm{sq} . \mathrm{ft}$.) : $-1, \mathrm{R}$. Thompson; $2, \mathrm{~F} . \mathrm{G}$
Stewart. Display of apples, not in commercial
packages ( 60 sq. ft.) -1 , W. W. Watson.
box or barrel brands-1. W. H. Stevenson; 2
orfolk F.-G.A.; 3, Oshawa F.-G.A.
ples, any variety, $75 \%$ to be given for package
ples, any variety, $75 \%$ to be given for package
prating and packing, and $25 \%$ for variety and
according to the inspection and sales- $1, R$
Thompson; 2 . Wentworth F.-G.A. Commercia
package, wrapped apples, any variety; $75 \%$ to be
package, wrapped apples, any varicty; $75 \%$ to be
given for package, grading and packing, and $25 \%$
for variety and quality of fruit. All entries must
or variety and quality of fruit. All entries must
rade No. 1, accorting to the inspection and
grade No. 1, accorting to the inspection and
sales act-1, R. Thompson; 2, Wentworth F.-G.A
specimen apples of standard varieties:-Bald
win-1, Norfolk F.-G.A. 2 , R. R. Waddle, Hamil

Stewart, Homer; ${ }^{2}$, (: A. Robertson, St. Cathar
ines. Kink-1, Pempey, Trenton; 2, Nor

Produce Co, Burlington; 2, I.. $A$. Pariesien, Sum-



THE CANADIAN BANK


MARKETS.
Toponto.
at West Toronto, on Monday, Novembe

 yeur at this martect: of exporturas there

 $\underset{550}{50 c} 5$

 5. ., shemen, 83 tot 83,75, lambe, 85 56,5 revirw or hest weme une
 week kex en Al tolows:

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andyam the
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$\qquad$
$\qquad$



British Cattle Market.

GOSSIP


Little Tpips among the Eminent

Sip Edward Bupne-Jones Some weeks aro biographicc
sketches on the re-Raphaelite Brotherhood appeared in these pages.
We now come to one who, although not of the Pre-Raphacites, was akin work, but whose personahity was so strong and whose versatility so
marked that he has exerted perhaps marked that he has exerted pernap. a greater influence on the gener
art of the world than any of thic famous 'T, 12.13's
Edward Burne-Jones was born
August $28 t h, 1833$, at Birminkham, England, but was of Welsh descent hence, perhaps, the strongly imagi
native bent of his mind. Although he qave evidence of some
love of drawing and design at an early age, his ambition was not fixect Accordingly after completing the
course at King Edward's, where he course at King Edward's, where he
threw 'himself zealously into stuady of the classics, he went up to Exeter College, Oxford. $\left.\begin{array}{c}\text { But on that same } \\ \text { day in January, } \\ \hline \text { d }\end{array}\right)$, here ontere day, in January, 1853 , there entered
another student who was dactined to have a strong influence on the life of the young Burne-Iones. This was none other than the afterwards
famois william Morris famouis William Morris.
Thrown together from the first. the two soon became close friends. They walked together, studied to gether, read "Modern Painters", and
"Morto d" Arthur", together, made drawings and designs together, each finding in the other his other self, such a friendship as can only be bor Morris also had entered with th intention of taking orders, but as time went on the liking for a cler-
ical career lessened, and art began the two young men as the walk of life for which they were best fitted.
To To Burne-Jones the awakening
canne with sein! Came with seeing two pictures by
Dante (Gabriel Rossetti, one a wood
cut in
 decided to leave the college without
taking his degree, a decision not reached without some of the pain
that forsakinkecs, almost invariably, on One fraught with struggle and un-
certainty said in his excellent biography, "He was casting nway from him, he knew,
an assureed
livelihoort
and at a netulusus uncertainty; he was
flout in flouting the ingrained prejudices, of
those near and dear to him; he was, in their eyes at any rate, wilfully denition, anf throwing in his lot with
varabionds and hagabonds and wastrels. On the one
hand was the good opinion of his kin, and at teast a comiortable competence, on the other disapproval
and very "possible penury. Yet he scarcel. hesitated.,
At the next turn we find him T.ondon, settled with Morris at 17
Red IT.ion Inn, in the curiously interestins rom, in the curiously in-
these collomes already described in liam Nrorris. in the sketch on Wilhe met. With delight, Rossetti, and
hencefth, wird ther ther hencefow wrd there were great fore-
gatherins at Red Jion Inn himsal three Burne-Jones found himsen
plizht the $\ldots$ as an artist, himself he had
hat


The Golden Stair
he very multiplicity of the works after Rossetti's marriage with Miss he had to onfer. He was making Liddal.
designs for stained glass, for tapes- As yet his work bore some resem. designs for stained glass, for tapes- Mance to that of Rossetti, but from and many other things, and by this work alone, after the establishment of the firm of "Morris \& Co." for
whom he thenceforth workell excluu sively, he was enabled not only to make a living, but to achieve al
world-wide renown. To-flav stained-


Water-colours, and exhimited other works "The Merciful Knight." personality as an artist. Tor six ears he was a constant exhibitor at the gallery of the society, six of the hit erest years, perhaps, of his life.
The artists were inclined to look with contempt upon the work of a man who had had no regular trainng. The public could not under-
ctand
his dreamy
poetic Nothing like it had heretofore appeared. It was essentially "decorapaint "Burne. as it was around him and England as vet could not grasp his meaning. Hence he was reviled on every hand, criticized in the newspapers, and neglectee bx
artists to such an extent that in 1870 he abruptly resigned all connection with the societ. For the next six years he was alhe exhibited only two pictures, small water-colors, but he was werking. working, as assituously as ever, now finding his ground in oils.
tion, with the opening of the Groc venor Gallery, at which were shown his six panels, representing the Six
Days of Creation, the Beguiling of Days of Creation, the Beguiling of
Merlin, The Mirror of venus and other canvasses. venor Gallery,"," writes a biographer. "was so dramatic and so convincing ment of his powers, that he leaped at one bound into the place among the greatest of his artistic contemporaries, which he was able to hold
for the rest of his life, Praise now came thick and fast Trom all quarters. He was recol-
nized as a power in the art world. and during every succeeding year to the annual exhibitions, among the pictures shown being the well-known figures in 1880 , and ""King Cophetua and the Beggar Maid," marvellous in its depth and richness of coloring, in 1884. This picture is now in the In 1885 Burne-Jones was again electen, as an honored member, to Che Society whose indifference had declined to accept the membership but yielded on the personal request of Leighton, then President of the pictures to the Academy, and in 1893 aratin resigned.
After 1886 he ceased sending to
. Atter 1886 he ceased sending to
the Grosvenor Gallery, as he had be come one of the chief members of a group of artists who founded the his pictures for the rest of his life. which ended after a short attack ${ }^{\text {o }}$
pneumonia on the 17 th June, 1898 . Burne-Jones was one of the sweetest in character as well as one o
the most brilliant amons English the most hrilliant among English
artists. At no time in his career did he try to attract attention his chosen way, refusing to be turned aside from his conception of art by neglect or contumely. Nor when success came, and all England flocked scorned, was he ever spoiled by suc cess. All unsought came honors at home and abroad, even the honor of
knighthood conferred upon him by Queen Victoria. To the end he re mained the same Burne-Jones, sim
ple of life industrious, poetic hieh ple of life, industrious, poetic, high-
minded. ioval to his triends and
ideals, generous to his foes, the highest type of man and gentleman, as well as an artist of originality and
power.
Burne-Jones painted in all two hundred pictures, beside execut ing an almost astounding amount o work in pure design. He also
strated many books, among them the splendid edition of Chaucer's Poems ssued by Morris from the Kelmscot Press in 18

Hope's Quiet Hour
The Sabbath Was Made for Man.
I an the LORD your God; walk in My statutes, and keep My judgments, and do
them; And hallow My Sabbaths; and they them; And hallow My Sabbaths; and they
shall be a sign between Me and you that ye may know that I am the LORD your God.-Ezek. xx.: 19, 20

- This is the day of prayer

Lift up our hearts to seek Thee ther Come down to meet us here.'
In these days there is a tendency t Yorget that the Fourth Commandment i
part of God's Law, and that those wh
break it suffer great loss break it suffer great loss. Our Lord ha
told us that the Commandment: "Re member that thou keep holy the Sab member that thou keep holy the Sal
bath day,"' was not intended to be
heavy burden but heavy burden, but was a gift of lov
from the Father to His dear childrenfrom the Father to His dear children-
" the Sabbath was made for man. Those who refuse to spend God's hol day with God, are doing great injury
their own bodies and souls their
Bishop Thomson says that you may
safely write over thousands of grave sately write ${ }^{\text {over }}$ thousands of grav
this epitaph: "He kept no Sunday. He declares that strong men are cit
down in their prime, and the doctors giver down in their prime, and the doctors give
a dozen names for the cause of their un a dozen names for the cause of their ui
timely death - softening of the brai paralysis, heart failure, nervous exhau tion-but, sifted to the bottom, the real
fact is that the men kill themselves by breaking Sunday- Business men, statesmen, lawyers, students, are at aetting
into the habit of going out at mo-
ment's warning, dropping dead as they ment's warning, dropping dead as they
stand, in a way that has never been known before.'
There are two very good reasons for keeping the rest-day of the week as clear as possible from everyday work. One
reason is because it is our duty to God, reason is because it is our duty to God,
and the other reason is because it is our
duty duty to ourselves. The Fourth Com-
mandment is the link which joins together our duty tuwards God and our duty towards man. We owe at least owe at least one-tenth of our money. Ot
course, we belong to Him with course, we belong to Him, with all that
He has been pleased to give us; but He has given back to us for common use much the largest part of both time and
money. If He did not claim any of it, we should probally socon forget that it
was not our own. but ouly lent to if we were asked to devote a month at
a time especially to the worship of cood. we might forget llimin fir a sood part of But once a week our Father calls us to fow hours the ruch of work which wears out body, hrain and spirit, to re



King Cophetua and the Begga reached out consciously to touch II
hand or grasp the hem of His garmen If we heard that next Sunday our Lor
Maid. [Burne-Jones. would be visibly present in a certain
church, ready to cheer and counsel and help all the weary and heavy-laden, tha ann afraid we don't quite believe His promise to be "in the midst" of ever
little group of worshipping disciples. is the prowher, I can always realize that woula be if Christ only came to meet
Ihis trinuls when a very special preacher h.an the draw Him. No matter esent where two or
of the in His Name the two or three-
home unnecessarily you have miss

prize very greatly this invitation to draw near to Hiim Whose very Presenc souls. It is not enough to go to
church. We might do that regularly and yet often come away with littl
added strength or refreshinent. We wan to make the church a " "Tent of Meet
ing,", like Israel in the wilderness seek to be made whole-to grow stron and beautiful in spirit-therefore we mus
reach out, like a poorreach out, like a poor woman long age
and touch the hem of Christ's Many others were pressing near to Hi was eagerly reaching out whose spirit was eagerly reaching out arter Him wan
healed. Who touched Me?" He cried
The discimples thought The disciples thought that multitudes had ter. IIe always the Master knew be and there in a crowded congregation ha

$$
\begin{aligned}
& \text { the Master was on earth, did He ev } \\
& \text { reprove anyone for trying to get th } \\
& \text { rer }
\end{aligned}
$$ near Him? He is "the same yesterday

and to-day, and for ever""-how can yo youk lift up your yo welcome for you?
is because, all your life. His Hin, it Seen seeking you.
The Sabbath was macle for man-and if ever man needed rest for body, mind and spirit, it is in this restless, strenu
ous age. Our souls, especially, grow Weak, weary, and unfit for service, jus
because we too often allow Monday Secause we too often allow Monday o.
peaturday to spoil the quiet sunshiny peace of Sunday just because we pay no
attention when our Master peace of Sunday, just because we pay no
attention .when our Master tenderly
pleads: ." Come ye yourselves apart
$\qquad$
$\qquad$
Come ye yourselves apart and res
$\qquad$


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## 4

Sixth Day of Creation
0
Then, fresh from converse with your And work till daylight softens into The brief hours are not lost in which
ye learn More of your Master and His rest Heaven. wasted, but those we spend conscions with God bring great gain to our own
souls, and to the souls of others. The hearer we press to Him, the more 110 can reach out through us to touch the
nations.
Only by walking with God cue nations. Only by walking with God can

The Beaver Circle
Our Senior Beavers.

The Longest Word


## "No," spoke up Susie; "it's 'smiles,





定


The Teacher's Dream And then she lifted up her faco The room, by strange and sudden chang Assumed proportions vas
It seemed a senate hall, and one Addressed a listening throng;
Each burning word all bosoms stirred, Applause rose loud and long.
The 'wildered teacher thought she knew The 'wildered's voice and look,
The spaker,
"And for his name," she said, "the sam, 'And for his name," she
Is in my record book."

The stately senate hall dissolved A church rose in its place,
Wherein there stood a man of God, Dispensing words of grace.

And though he spoke in solemn tone And though his hair was gray,
"I whipped that boy to-day."
The church, a phantasin, vanished soon What saw the teacher then ? In classic gloom of alcoved r
An author plied his pen. "My idlest lad!" the teacher said. Filled with a new surprise-
..Shall I behold his name enrolled "Shall I behold his name enrolled The vision of a cottage home The teacher now descried mother's face illumined the place
Her influence sanctified Her infuence sanctía
A miracle! a miracle!
This matron, well I know
Was but a wild and careless child
"And now she to her children speaks
of duty's golden rule,
Her lips repeat in accents sweet
My words to her at school."
-W. H. Venable, in Our Dumb Animals.

## About the Competitions.

The results of our "Fall Fair" compe tition will be announced at an early
date.
Our books from Scotland have at last arrived, and really I feel that I cannot say too much in praise of the large ones,
"'The Lives of Great Men-written by Great Men," which are to be given, this winter, to all who really earn them by
sending in extra good essays in the comsending in extra good essays in the com-
petitions.
We have been resting on our oars, somewhat, waiting for these books, but now there is no reason why we should
not git right down to work for the winnot git right down to work for the win-
 17 are eligible or these Senior Beaver
contests. After that they are expected to graduate into the Roundabout Club
class.
 received at this office not later than De-
cember 2nth. cember 20 th.
(2) $A 11 /$ compositions and letters this department must. he addressed Deaver Circle," Farmer's Advocate an
Home Macazine, London, Ont. class at school must be given. For the hest essay the award will be one volume of "Stories of Great Mren ",
(larec volume, splendidly illustrated in (large. volume. splendidly illustrated in
color). Smaller books will be given for second and third class essay

Senior Beavers' Letter Beaver.
Box.



Choosing Sides.
er's Advocate" for a long while.
thought maybe vou would like to thought maybe you would like to hear
about a Song Sparrow's nest I found. about a Song sarrow's nest I found.
The bird flew to the hedge with some
prass and hair in its mouth Soon alter grass and hair in its mouth. Soon after built. The bird laid four little brown and whito eggs in it. They all hatched out. They had a few feathers on their
wings. Soon they flew awn wings. Soon they flew away. Maybe I
saw then after and didn't know them. One day when I was walking in the woods I saw a black squirrel come down
a tree with a butternut in its mouth. "tree with a butternut in its mouth.
They were very scarce around here; but They were very scarce around here; but
they are coming back again. The same day I walked to a big hill near my house. It has a tower on it. From this tower you can see Lake Scugog to the
north-east, Iake Ontario from Whitl)y to Toronto. Caledon mountains to the west. thad to walk five miles home. Dotreas dickinson
(Age 10, Sr. III clase

Our Junior Beavers

## A Shadow Menagerie.



The ${ }^{\text {c }}$ Cat: Raise the outside knuckles
of the richt hand and put a cloth over the arin to show Tabby's body. Her side, is made by the inder from singer of the left hand hanging below the right elbow

## The Ingle Nook.

| The swand The hwo hauds and |  |  |
| :---: | :---: | :---: |
| lion of the tingers of the right hil |  |  |
|  |  |  |
| Cwo beine hent and |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
| Junior | Beavers' Box. | Letter |



The Absent Minded.



|  |
| :---: |

## Unfinished Work.

When Helen Jackson realized that
the race between her last novel and dea
the latter would win, she determin
that if her story was to be complet

$\qquad$ her bed of sickness: . I am sorry I worth pulishing in its untinished state
as the chief lesson for which L wrote was to be forcihly told at the end.
suppose there will be some interest in
as the last thing 1 wrote 1 will imity
$n$ short outline of the plot of the story
DICKEXS' SUDDEN CALL.
When death came to Charles Dickens
with such trapic suddenness at Gadshill

1rood," the first chapters of which had
appeared in serial form but two month
earlier. How the stofy would have pro-
conded ceeded had ho been spared to finish it
must nlwasco remain must always remain a subject for specu-
lation.
Ilis friend and biographer, John Foster, made a painstaking eflort to
gupply the conclusion, but it must al ways be a matter for regret that the
 earlier, alluost to a day-it was on June
Sth, $1865 \mathrm{~F}-$ Dickens narrowly escaped Violent-death in an accident on the
South-Fastern
Railway.
This
$\qquad$
$\qquad$
$\qquad$
$\qquad$with which h have this day closed this
hook-The End."Thacheray was just warning up to
his novel, ", Denis Duyal, "of which onlythree numbers had "appeared, when he hadTo lay down his pen forever., on Christ-
mas eve. 1863 It antust seems that
the must have known the end had cometor the last words he wrote were toult o
tratic simini icance:... Mehold Finis itselt
cramio to an ond
"Blind Leve," remained unsritten; but
heo left behind him an elathorate synopsis
sion. Robert I.onis Stevenson died nt
Vailima, with at least two novels unfint
was very cleverly, completed by Mr. Muid
years later; and among other write
mhase hands have been stayed wro
mindel of stories were Mrs. Coskel,middle of stories were. Mrst. Gaskel, . m
ITenry Wood. nnd many another.Ryron had planned a continuation
both " "Don Jun " and and achWhen rhoumatic, "and "Child Haro
Wissolon longhi, and the laid him lowMissolonghi, and the cantos were never
written.
T, aurencehis "Journal to Eliza " was vini
finished on his desk.
Coleridye
a year before his death hoy had for many

SUst then an acquaintanco of the old
gentleman entered the office and saw the
to complete the poent had hatended intend
many other works which will
Are You Making the old People Happy
Reople. Age should bring its
tions of serenity and philosoph
The problem which confronts sons ang a grave one old age is sensitive, and
the feeliny of uselessness fills many a?
1erhaps the greatest inistake that
made by young people is that in theit
eaperness to relieve father and mother
or grandfather or granduother, of buldens. they take anay eversthing that
makes life interesting: Those who have
ior a lifetime been cager workers do not
want to sit with theit hands folded. and
so it othen happens that father buts
into" his son's husiness aifairs, bund
and
into" his son's fusiness anfaris, auts
mother " meddles" with her diung and
housekeevine. Then ciomes friction
the son and the daughter have shown
prainly that they dusire no interference.
seared the soulls of the their reburfs have
It is always well, if possible, to pi
vide someching for the nesed to o. do.
they can he madte to fecl that the
helping, their sat isfaction will be
cerre in surely cannot hurt his son to
talk over the antirso of the store or ot
fice.

I knoppy" to take advice. daught.
insisted that she should sit with folded
hands. Then, when the old face took on
unhappy, haggard lines and the trail hit-
tie body' drooped, the anxious daughter-
asked the doped, the anxious daughter
nesk.
with her ?."
,luff old person, and he
"Rat the maids don't like to have
said.
are Dut, the her go there when the maids
So on Thursday afternoon the dear old
lady cooked the dinners.
lady cooked the dinners. The whole
family learned to look lorward
And the satisfaction that mother got out
of that one day in the weck lasted her
throush the other
She made chicken pies; she baked
beanss she contocted sauces and soups
and gravers anter old-fashioned recipes
and when they were served
and when they were served, she beamed
I be put on the shelf when I can conok
The duty of cliildren toward their

question of preference, it is the is any
anc in shourd have first consider.
mande to have an an be hurt by being
toward the ang attitude of deference
paople are eccentric, the children's sym-
tell them that Mrandfather has borne
Mother has had sorrows." on the "othd
is peculiar," or " "ever mind, grandfather
denced by the contempt which will be evi-
To those of us who grow up impatient
come a day of reckoninn age sthere will
of us will be old reckoning. Some day all
dren to treat us as we are treating our
parents $?$ Would you be happy under
Phe crimunctonco
surroundect dances with which we have

- Doonty Mundison, in Red Retormed mother ?
Mike fathere, itike gon.
"You look like a toll !", thundered the
tromsted man to his swell son just in
crited colve, ."more and more like a con-
enr !" then an acquaintanco of the thery
"Hello, Charlie, back eh o" he ex-
"lained genially.
"Say,
Soulte getting



It's Gurious
How many ladies think it's
vanity to look sweet by
taking care of their hair and complexions, prefer
ring pretty gowns that ac-
| Princess Complexion Purifier

SUPERFLUOUS hair, Moles, Warts, etc., permanently eradicated by our mettod of
E.e.t.torysis. Booklet.. F , and sample of
toilet cream mailed on request.
Hiscott Dermatological Institute, 61 College street. Toronto.


CDWAN'S
PERFECTIDN CDCDA
(MAFLELEAF LABEL)
is all Cocoa-and has
all the food properties-
all the delicious flavor of the best coco beans
DO YOU USE COWANS?
Learn Auctioneering at tree world




 oven, and finish with a meringue or
whites of eggs or stifly-whipeed cream. A friend of ", The orarmer's Advocate
and Home Magazine", says that if you and Home Magazine" says, that if you
can knit the palain ".garter", stitch, you
can
 "double" thread, one of the foss, the
other of zephyr." Finish the ends with
owhe sart wse fringe. For a small, thick sarrt, use
comparatively
smanll
needles, and knit



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\begin{gathered}
\text { Mark Rutherford. } \\
\text { Dear Madam,-We notice in you }
\end{gathered}
$$

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\begin{aligned}
& \text { u }
\end{aligned}
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$$
\begin{aligned}
& \text { page 1797, of your issue of Novembe } \\
& \text { 2nd, a reference to Mark Rutherford and } \\
& \text { his books. } \\
& \text { We would be pleased to say in anse }
\end{aligned}
$$

$$
\begin{aligned}
& \text { his books. } \\
& \text { We would be pleased to say in answer } \\
& \text { to your correspondence, that this book } \\
& \text { is published by our firm in two volumes, }
\end{aligned}
$$

$$
\begin{aligned}
& \text { "More Pages from a Journal" - both } \\
& \text { these by Mark Rutherford. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { these by Mark Rutherford. } \\
& \text { These books have been published for } \\
& \text { some time, but are not very well known }
\end{aligned}
$$

$$
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& \text { somese time, but are not very well known } \\
& \text { in Canada. } \\
& \text { HENRY FRewde PUB. Co., }
\end{aligned}
$$

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\begin{aligned}
& \text { n Canada. } \\
& \text { HENRY FRewde Pub. CO., } \\
& 25-27 \text { Richmond St., Toronto. }
\end{aligned}
$$

$$
\begin{aligned}
& 25-27 \text { Richmond St., Toronto. } \\
& \text { We thank the writer of the above very }
\end{aligned}
$$

heartily for this information.

$$
\begin{aligned}
& \text { An Attractive Bedroom. } \\
& \text { Dear Dame Durden, }- \text { It is so so long since } \\
& \text { I have written you that I feel almost a } \\
& \text { stranger, though not a stranger to the }
\end{aligned}
$$

## TIIE TO BUY CHRISTMAS WATCHES

WHETHER you want to spend a couple of dollars or ten times that amount on a watch this Christmas, you can get the most for your money by choosing from this collection of delivery-paid watches, every one of them peerless value. Send your order at once.


We publish no Christmas Catalogue this year, but our Fall and Winter one is crowded with Christmas suggestions. A post card will bring it. Whether you order fifty cents' or fifty dollars' worth of goods, WE PAY ALL DELIVERY CHARGES.

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TORONTO


That garaztee means that I believe Cream of the West to be the you ever balred before, if it fails to rise or doesn't give extra satisfaction in every mey, your grocer will pay you back your
money an roturn of the unused portion of the bag.

## Cream ${ }^{*}$ WestFlour

the hard wheat flour guarinteed for bread If people will tairly and honestly try Cream of the West they
will have succese with it. That's why we guarantee it. We are will have
The Campbell Milling Company, Limited, Toronto anchianlo CAMPBELL, Prouden


It is True Economy he highest


It is brilliantly white and sparkling-looks dainty and tempting on the table-and goes further because it is absolutely pure sugar of the finest quality. Make the test yourself. Compare "ST. LAWRENCE GRANULATED" with any other.
The St. Lawrence Sugar Refining Co. Lumited montreal. 33


INTERNATIONAL LIVE STOCK EXPOSITION

## December 2 nd to 9 th, 1911

The Worid's Greates Unien sto ion Stock Yar
CHICAGO

| The International Horse Show, embracing all that is paramount in horse |
| :--- | world, will be beld evenings during the Exposition. Thirty National Live Stock

Association Conventions. Premiums over $\$ 75.000$. Entries more than 11,000
animals. Grand carload exhibit Nity IRED IIVE STOOK Wednesday, Dec. 6th, I p.m. Thursday Dec 7th I pe50 Choice aberdeen-angus 50 SELECTED SHORTHORNS
 Friday. Dec. Bth. ipm.
HIGH-CLASS HERI.

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                        M, For cetalogeve,witie:
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                            R.J. KINGEER, Sey, Kamaaciov, Mo.
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hold
hold a sale. For further particulars write Dwight Lincoln. Sel., Milford Center
Ohio. Shropshire sale, Wednesday, Dec. 6th, io a. mul; for furither inform-
Ohio. Shropshire sale, Wednesday, Dec.
ation apply to J. M. Wade, La Fayette, Inc.
p.m., the American Hampshire Swine Association
p.om, we, write E. C. Stone, Sec.. Peoria, All.
EDUCATION
ENTERTAINMENT
LOWEST RATES ON ALL RAILIIO.E!S


The Kindly Fruits of the Eapth.

| By Annie Oakes IUntington, in Youth' | Mr. Atwood listened with an attention that was all kindness. <br> 'And what I came to see you about |
| :---: | :---: |
| the small vegetable garden overlook- | was this," Leah continued. "You h |
| white collage farmhouse, where |  |
| Leah Fay and her aunt, Miss Susan Fay, | 1 could ponly herrow |
|  | Dow up another piece this spring |
| t stones. it was just before planting- | buy some dressing, I could raise |
| time in spring, and the pleasant after- | tables to sell round to summer people. |
| the same sure touch that was quickening | pay off the back interest, if I don't |
| into growth the little green blades of | enough to pay |
|  | only got till Sept |
| se | home we have in the world"-and she |
|  | broke oft ahruptly, not trusting herself |
| with her strong back and |  |
| $\begin{aligned} & \text { ked } \\ & \text { usne } \end{aligned}$ | heing funny, Mr. At |
| toward the side | nt at which to |
| use below, andi sometimes stopper | his heart was easily to |
|  |  |

$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$ and leave her frail earnt stranded aullong of sodra to therry them along and make well-meaning relatives who did not understand her ways, to see her dear home a handful to each plant, for too nuld
sold at auction, the hens given to the would burn then neightors, and the old family horse, The, wruld burn them. At the roots of the carried off to be sold-the tears blinded
her eyes as she pictured it all. $\begin{aligned} & \text { but nitrate of soda. Old Mel Plum- } \\ & \text { mer made her wise on that point. }\end{aligned}$
 dishes, the question, "What can I do?" latin' to turn them vines into shade
hurned in her brain. To Miss Susan she tran' tound ave no outward sign, althoush the
$\qquad$
$\qquad$
$\qquad$
$\qquad$

COVEMBER 23, 1911
On the hills facing the moutuatin.
the north end of the town, anal the noth end of the town, and below.....
the borders of a lake, cottages anis. camps had been nuilt, and at last
nornint cante when Leah hitched old fito nn open wagon, fillect with vope mong the summer people
Besides filling baskets with peas and beans, young onions and vegetalle mar-
rows, hac had ied up bunches of small
rew seets, pulled before they were onvery big-
ker than a hen's expr-at the ever mo
nent when the beet is sweet eest ment when the beet is sweetest
menderest.
 the queecn of garden greens, and bunches
of parstey and cress temptingly spread sut in boves lined with white paper.
It was the crucial moment of the summer for tean, She had planned, watcheod,
labored and waited for this first harvest. To the utmost she had done her vart:
the garden had responded hy doing its avish best all now hinged on the ques-
tion ..Would these poople buy?
seven weeks, were left before the In the martgase was due, and so far
moly small returns on a tew early vege
ables sold at the Flat had con ler success or failure rested wholly wint hese strangers:
She was driving by a thicket of alders
when the sound of something crashing through the bundses, followedng by arashing
a bloodcurding, agonized cry, brought her to a
standstill. ${ }_{\text {In }}^{\text {an }}$ anstant she jumped tandstill In an instant she jumped
lown, and broke her way into the underdown, and broke her way into the under
brush.
There on the ground lay a beau litush. There on the ground lay a beau-
titul, terififed Angora cat its pink rib
bon torn and smeared with dirt
 paws, held fast in the jaws of a stel
trap, evidenty set for some thieving
skunk. Although in the end her hands were
pleedimu trom scrathes, Leal succeeded
in treeing the seot On treeing the poor creature, and with it tirst house of the summer colony,
As she went up the drivewayy As she went up the driveway, a hand-
some boy in riding-breches came across
the buw, and catcling .ing




 delight, she mande so many purchases tha When I.ealh finally drove away, she was escerted hy Harold on hirrehack, who
went to point out the different cottages. and to introduce her to his mother's
criends. "Ind whon everysthing is sold, come







 Iallif waiting for an inevitable blow

The Test of the Heart. life flows like a song.
man worth while is the man who everything goos dead wrong:
test of the heart is trouble test of the heart is troumle.

The "Farmen' Adv Fashions.


Nectium 38 of or 46 . 40 .

## Sandwiches for School Lunches

The most nourishing sandwich is huttered bread or toast spread lightly It is excellent for building both and brain. and especially valuable for BOVRIL

## Poultry Fencing that is

Stronger than Seems Necessary
We make our poultry fencing close enough to turn small fowlthen we make it extra strong, so it will last for years and keep the cattle out. The heavy, hard steel top and bottom wires hold it taut and prevent it from sagging.

## PEERIESS POULTRY FENCE

It is well galvanized so as to protect it from such a firm, upstanding fence that it requires less than half the posts needed for the ordinary poultry fence, and that means a big saving to you. Write for particulars. exceptional quality. Agents wanted wbere not now represented.

The Banwell Hoxie Wire Fence Co., Lid.
Dopt. B
Winnipeg, Man. Mamilion, Ont .

## KNECHTEL KITCHEN KABINETS SPELLS

KOMFORT, KLEANLINESS, KONVENIENCE
What will a kitchen cabinet do for you? It will concentrate in one place everyithing you use in preparing meals. It will keep everything clean and prevent waste. It will stop that running from cupboard to pantry, pantry to kitchen, kitchen to storeroom and back again. Savesyour time, your money, your patience and your feet.

| Extension |
| :--- |
| top of bright |
| aluminum. |
| Will neither |
| tarnish nor |
| rust. |

NECHTEL | Makes things |
| :--- |
| easy in the |
| hitchen. |

MADE IN FIVE HANDSOME STYLES
Has flour, sugar and meal bins, spice jars, airtight canisters, bread and cake box, plate racks. pot cupboard, sliding shelves. and other features.


You can see the KNECHTEL KITCHEN KABINET at any sood dealer's. The cost is not excessive, and it's a boon to any woman

Booklet D mailed on request:
-0.0
KNECHTEL KITCHEN
CABINET CO., LImited Hanover, Ont.

## Louden's Feed Carriers

have the same kind of gear as the Litter Carriers. The box, however, is
wholly different, having ends shaped so that the feed can be easily got into wholly different, having ends shaped so that the feed can be easily got int
or out of it. Our Feed Carriers run on a steel track which can be curved in any direction and yet run perfectly.
See our exhibit at the Winter Fair Building during Fat Stock Show, which
is held December 12, 13, I4 and 15.


LOUDEN MAGHINERY CO., GUELPH, ONT.
Manufacturers of Hay Tools, Feed and Litter Carriers, Cow Stalls and
Stanchions, Barn-door Hangers, Pumps, Hardware Specialtie, etc.


Have You Seen

Herculaneum
Hby, Litt. D,, the Dire
British School of Rome The name of Herculaneum, owing to a scheme for its excavation by international c-operation, has been much before the public during the last three years.
The Italian Government has now decided that the work shall be done by Italian archeologists and with Italian money,
and are of opinion that better results will be eventually attained by proceeding gradually at first than by commencing
the enterprise on a large scale. Of that the officiag of the Naples section of the
Archeological Department of the Ministry of Public Instruction are no doubt the best judges, and we may fairly hope
that, now that Italy has reserved that, now that Italy has reserved to her-
self the right to carry out this important work, she will commence it promptly and
carry it through to its completion, unless (which is improbable) preliminary in-
vestigations unmistakably vestigations unmistakably indicate tha
the results of further work would not
justify the undeubtedly con justify the undoubtedly considerable po-
cuniary sacrifices involved. In the meantime let us, by shortly ex-
nmining the history amining the history of Herculaneum and
of the excavations which have already of the excavations which have already
been made on the site, try to form an idea of what may reasonably be expected
from it. from it.
Herculaneum, according to our claseacel Herculaneum, according to our classical
authorities, was situated between two
streams at the foot of Mount Vesuvius streams at the foot of Mount Vesuvius
on a hill overlooking the sea, with a
harbor which harbor which was safe at all seasons.
Of its earlier history we know nothin Its name, of course, led to a tradition of its foundation by Hercules, on his voyage, it is said, from Spain to Italy. It
was in all probability of Greek origin,
and belonged successively, we are told, to the Oscans, Etruscans and Samnites.
It fell under the power of Rome during remained faithful until thiv. viii., 25), and which it joined the Italian allies. escaped, apparently, with comparatively
mild treatment for its rehellion, and was
much frequented much frequented as a resort by Romans
of wealth, the imperial house being of wealth, the imperial house being
among the owners of villas there in the first century A. D. It owed its vogue,
no doubt, to the beauty of its situation on the shores of the Gulf of Naples,
sheltered by Vesuvius on the north-east. shottered by Vesuvius on the north-east,
and easily accessible by the coast road
Irom Naples, from which it is only five miles distant. In 63 A . D., however, it
suffered considerably from an earthquake, suffered considerably from an earthquake,
which did considerable damage throughNut the region between Naples and
Jocera, and was very severe at Pompeii.
is to Herculanoum As to Herculaneum itself, Seneca tells us
that part of the town fell, and that the stability of the rest was none too secure.
We have a contemporary record in the
shape of an inscription of the restorashape of an inscription of the restora-
tion in 76 B. C., by Vespasian of the
temple of the Mother of the Gode

The lava streams which are found evel, overlaying the ashes, and belong th a later eruption. Nor is there any basis
for the supposition that Herculaneum was buried by a mass of volcanic raud, which would by this time have becore homo geneous aod very compact.
The history of previous excavations has
been told by Prof. Michele Rugrier.
 Naples, 1885).
It is commonly, but erroneoualy, that the site of Herculaneum was abso utely unknown until, in 1709, the Aus
trian General, Count Elbeup accel hit upon the theater, his workmen being angaged in digging a well. As a fact, he was actually searching for antiquities,
and sank, not a well, but a shaft Italian sank, not a well, but a shaft (the
word pozzo may mean either with this purpose in view. The work Continued for about five years, but was
carried on quite irregularly, arried on quite irregularly, vatious
points of the theater (which was no then recognized as such) being tried, and Some portions of the buildings near it. (Pemale portrait heads) are no of which den. In 1738, King Charles M1I. of horough manner. operations in a inore
the excavations continued for many years, and led to the
discovery of the true character of the theater, to the finding of what may be a building with colonnades erroneously called a basilica, resembling the building of Eumachia at Pompeii, adorned with Cine statues, among them those of the
Balbi, of a few tombs villa, in which were found of a large papyrus rolls, were found the famous museum at Naples, comprising the library
of the owner of the villa, a follower of
the Epicurean School of Philosophy. Here were also discovered some of the as the seated Mercury, the head of the bearded Dionysus, and others. In 1755
the King founded the Academy of Herculthe King founded the Academy of Hercu-
laneum for the investigation and publicaaneum for the investigation and publica-
tion of the results, and the magnificent
work issued by this inatith work issued by this institution in nine
folio volumes ("Ie Antichita di lano") caused a considerable interest in 1757 , and was completed in 1792.
Pompeii, however, was a good deal there pasy to excavate, and the work
while at Ilerculamewnewhat faster. For. while at Ilerculaneum it was necessary
to work entirely by tunnelling, at Porm-
peii the buildings of the ancient city could easily be laid bare in the ordinary
way, owing to the lightness of the way, owing to the lightness of the ma
terial with which they were covered. excavations of Charles iII., though no least crossed, with their tunels, the
whole area of the city. Professor Batn
 the area covered by of the opinion that
not very extensive. Nor do we know
with ancour ancient city.
The excavations were carried on for
while under his successor, Ferdinand whle under his successor, Ferdinand in
but athandoned in 17,76 and not re
sumed until 1 $828 . \mathrm{A}$ group of house was liscovered at a depth of only forty
feet, and the work was continued until feet, and the work was continued until
185.5, with many interruptions. 18.7, with many interruptions.
It was not taken up again untii 1869 ,
when very tittle success was attained, been done except repairs.
The work has always been carried on The work has always been carried on
under Considerable difticulties, owing ov
the existence of the town of Resina above the site, and the considerable depth of
the excavations below the surface, necess
sitating their prosecution entirely subterramean galleries, except in the case
 were simply usell to fill up a previous
nscured by the
boite to sup
no easy mat

The New "Gall" Shingle? In justice to yourself, you should at least investigate "Gallo" Steel
Shingles before deciding on the roof for your new barn or the new
roof for your old barn. Present wood Shingles are failures and are being roof for your old barn. Present wood Shingles are failures and are being
discarded-to use them is a step backward. Don't put a fourth-class roof on your first-class barn. "Galt", Galvanised Steel Shingles is the roofing now and for the future. Roof your new barn with "Gall" Siecl Shingles and you won't have to apologise for it now or at any
Listen, you won't have time two months hence to investigate this roofing question. And yet the roof of your barn is an important part of your real

 one line at bottom and mail to
reme
GAlt ART metal Co., Limiled,
GALT, ONT.

- 1 - $1 /$ kebs youk hakness Tow As A GLove black as a coal

The Queen City Oil Co., Limited, emple of the Mother of the Gods, which
had been overthrown by this earthhuake. Only three years later the town was
utterly destroyed hy the famous eruption
of Vesuvius which overwhelmed pompoii hand of the fleet at Misenum, perished Prom sulfocation at Stabiac (the modern
(astellammare), a victim both to his zeal as an observer, and to his energy in
$\qquad$
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$\qquad$ were thus, in
harder mass,
hen $n$ good deal
ing on the mat one into a puildings.
EUREKA

When Writing Advertisers, "Please Mention "The Farmer's Advocate."

NOYEMBER 23, 1911


## CRAND ${ }^{\text {T }}$ Trunk pallstry system

California Mexico Florida

Return tickets at reduced rates sale at any Grand Trunk Ticket Offic
STOP!
And before reading further, turn to page 1914 of this issue and "Read."


THE FARMER'S ADVOCATE


Blessed is the Man or Woman with a Hobby.
 veturn in life Otten, after a period of
work in a particular field, one finds that for culture and mervice. What is to be be whe
done then? Sometimes, more done then? Sometimes, more often
than with our money standards we think possible, one may change one's vocation.
Many times, however, this is impossible, and even then something can he done:
an may cultivate an avocation in the we may cultivate an avocation in the
margin of life. I know the words voca-
tion and avocation are often used synontion and avocation are often used synon-
ymously; but it is a pity to waste two good words on one idea when both ar
needed. A man's vocation is his business in life; his avocation is the call he
 business. Let me illustrate: we think
of John Stuart Mill as a great political economist, leader in reform, author of books that still remain among the best
we have in his field. We forget that
Tohn Stuart will paid his running er John Stuart Mill paid his running ex-
penses by working for thirty-five years, penses by working for thirty-five years,
eleven months in the year, six days in
the week, at Che week, at his office in the East India
Company, drafting telegrams for the government of the native states of India,
and that the work by which he will aland
ways be remembered was done, in the
margin of life that most people waste. margin if lite is overburdened with rou-
Tine, add another task, and the demand


## ONTARIO PROVINCIAL MAINTER E E ARR

Guelph,' Dec. 11 to 15, 1911

HORSES
BEEF AND DAIRY CATTLE SHEEP, SWINE, SEEDS AND POULTRY \$16,000.00 in Prizes
Live-stock entries close Nov. 25. Poultry entries close Nov. 27 .
$\$ 15$.oons. Single-fare passenger rates on the railways.
Free return for exhibits shipped by freight.
For prize list and entry forms apply to the Secretary
JONN ERIGHT. PRES. A. P. WESTERVELT,SEC.
myrtle station. parliament bulldings, toronto


Please Mention The Advocate



COMPLEETE KITCHEN EQUIPMENT.-A utensil for every purpose. All made of the highest grade of crucible steel. Ruhberoid finished, hardwood handles, mounted with nickel-plated ferrules. Alh six articles
for ONE NEW STBSCRIBER.


Sors, one huttonhole scissors. All goorl
STBACCRIBER.

40-piece austrian china TEA-SET.-Handsome and dainty in shape, coloring and design, ordina depending on locality $\$ 4.00$ to $\$ 6.00$, aepending on locality. We have names as soon as possible. FOUR NEW SUBSCRIBEIR

BIble.-Old and New Testaments in beautifully clear, legible type; refhew testaments. Index to names of persons, places and subjects occurring in the Scriptures. Twelve fullpage maps; all excellent in type and outline. This book is of most conopen; weight being $7 \times 10$ inches when open; weight, 23 ounces; and would to $\$ 1.50$. ONTY ONE NEW SUBSCRIBER.
"'The VISION OF HIS FACE, by Dora Farncomb, writer of Hope's Quiet Hour in "The Farmer's Advo pages, in cboth with gilt lettering One of the many expressions received regarding it is: "I am pleased, efl fied and comforted in reading it is better, fuller and richer than expected." "ash price, cloth bind-
ing with filt ing with gilt lettering, 75 cents , handsomer binding, richly decorated
with gold, $\$ 1.00$ ()NL, ow yell with gold, \$1.in
"Carmichafin," be Inison . Worth - A Canadian farm stors. bomm in cloth, Mustrated. Buffina Compier
says: "It is far above the ordinars says: "It is far above the ordinar
run of fiction." Toronte Worll sar:
"Shold "Should be in all the homes of th people." Cash. $\$ 1$.
SUBSCRIBERS.

handles and handsome CARVERS. - First quality steel, with staghorn $\$ 3.50$ to $\$ 5.00$ per sel nickel mounting. These carvers, will retail from


TuR RITCHEN SET-Best quality steel; five pieces and rack

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W A N T E D
We are now starting to pack poultry
for the WESTERN CANADA
Christmas Market
As soon as YOUR birds are ready we
will buy them. FEED is dear this year, and there will be nothing gained by holding. Write TO DAY for our
WEEKLY POULTRY LETTER if poultry to sell. We supply CRATES and GUARANTEE PRICES F. O. B. YOUR NEAREST STATION. We pay a special price for MILK-FED
CRATE - FATTENED CHICKENS.
"Canada's Leading Poultry House." London, Ont.

LIVE
POULTRY
For best results ship your Live Poultry to us, also your Dressed Poultry, Butter and Eggs.
Crates Supplied. Prompt Returns
The DAVIES Co.
Wm. DAE TORONTO
PLEASANI VALLEY FARM One hundred White Wyandottes and
S. C. White Leghorns, cock bids and cockerels, from prizewinning matings, the latter from rst-prize cock-
erel, C. N. E., Toronto, 1910; good
Geo. amos \& Sons, Moffat, ont
GEESE $\begin{aligned} & \text { Beautiful, large, snow-white } \\ & \text { birds ; fit to show anywhere. }\end{aligned}$
DUTCH
EMB
EMBDENS Price, $\$ 10.00$ for trio.
st. Giten athol fruit farm
Feathers Wanted

The temada Fur \& Feather Co
WANTED-A WIFE






 FARMS FOR SALE
Choice stock, grain and fruit farms for sale. We specialize in high-class proper-
ties, and aim at offering good value only. We have a special deparment devored UNION TRUST CO, LTD. Real-estate Department, 201 Temple Bullding, Toronto.

## "FARMER BRAND"

 COTTON SEED MEAL PRODUCES MILK$\qquad$ the ealuo ot bran. Far superior to Linseed
Meal or Gluten Feeds. Use tion ond you
mill never do withuut it. One trial convinces. SAMPLE TON PRICE


 The Barilett Co., 410 Hammond Bldg., Dept. E, Detroit, Mich. HOMES WANTED

 W. DUNCAN, SECRETARY,


The Ox-team.
sit upon my ox-team, calm,
And crawl contented through the land, And let the world go by.
The thoughtful ox has learned to wait And nervous impulse smother, And ponder long before he pu
One foot before the other.
An' men with spanking teams pass by And dash upon their way,
As if it were their hope to find The world's end in a day;
and men dash by in palace cars, And men dash by in palace cars,
On me dark frowns they cast. As the lightning-driven Present frowns What do they chase, these men of steam, Their smoke-liags wide anfurd
Pulled by the roaring fire-fiend
That shakes the reeling world? What do ye seek, ye men of steam,
So wild and mad you press? Is this, is this the railroad line
$\qquad$ And are some station through the hills Where men can find delight? Where no red signals stream, go by ox-team just as quic
As you can go by steam. -Sam Walter Foss.

THE NOXON SLEIGH
Is Strongly Built and Well Constructed

write for particulars and prices
THE NOXON CO'Y, LTD., Ingersoll, Ont.
MANUFACTURERS OF AGRICULTURAL IMPLEMENTS

Do You Want to -Make Money?

Muriate of Potash
SELL Nitrate of Soda Sulphate of Potash Acid Phosphate THE ONLY Fertilizing Materials recommended by ev، ry Provincial Department ot Agriculture in Can-
ada, with representatives in every County in the Dominion.

WE WANT AGENTS --- We make it pay YOU to be one. The first and best man to apply for an agency for each locality is
going to be "the Money Maker. WRITR NOW FOR PROPOSITIO

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| MEN |  |
| WANTED |  |

that it is an easy matter for good
If you are not able to devote your
whole time to the work, you will do well to work at it in your spare Write for particulars and the
agency in your district AT ONCE. agency in

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Perfectaciles
10 days' frec rial. Pay when satisfied A magnifi-
eent parr cof 55.00 reading g'anses for $\$ 1.00$. Write MORRIS SPECTACI B HOUSE,
02 ARTHUR STREET, TORON O,


Use Sherwin-Williams Paint, Prepared SWP, on your buildings. SWP wears well and looks well because it is made of pure high-grade raw materials only. Spreads over more surface than cheap readymixed paints or hand-mixed lead and oil, because ground thoroughly by powerful machinery made is put up in sealed, full Imperial Measure cans. Go to your local Sherwin-Williams Agent.


Pleaza. Mention this Paper,

The Plan of Mp. Gpay and Santa Claus. Said Santa Claus, one Christmas E To Mrs. Santa, "I believe
I'll try 'a diff'rent plan this ye You'll help me with it, won't your- drar
"Of course, I will." she seld "Of course, I will," she said with g
"You know you can depend on mo
"Well "Well, then, I'll go to Poor Street fir And help the 'chicks' that need it worst, Kind Mr. Gray gave me a bill,
To help a few who're poor, or ill.
'"There's Johnny Jones and Ben and Sue, Who've neither coat, nor cap, nor shoe, But still they're patient, good and swe They live in one bare, little roomTheir parents now are in the tomb-
Poor tots, they've had a drear Poor tots, they've had a dreary year,
r'd like to take them Christmas cheor And then, without a manta Cleus, And then, without a moment's pause
She helped old Santa load his pack And gave the deer a gentle whack. They bounded off across the snow,
And ran as fast as deer could go.

Next morning, when the Joneses woke
Twas Susie's happy voice that "Look, John! Look, Ben! my brothers I think an, angel has been here

Just see the clothing, good and warm
'Twill keep us snug in winter's storm And we've enough to in winter's storm, You see our prayer was not in vain. Our Heav'nly Father, always kind,
Still keeps the little ones in mind." So Mr. Claus told Mr. Gray What gladness he had caused that day;
Then Mr. Gray just smiled and Then Mr. Gray just smiled and said,
"The naked clothed, the hungry fed The naked clothed, the hungry fed,
The Christ will count it to Himself.
"Tis better, far, than hoarding pelf.

Just try the plan of Mr. Gray;
It is a plan that's bound tren A rich reward is ever su to
$\qquad$ Masmuch as ye did it unto one of the
least of these, My brethren, ye did it
unto Me."-Christian Obscrver.

GOSSIP.
Shipments of Clydesdales from Glasgow
for Canada November 4th, were con
signed to Geo. G. Stewart Que.; John D. Duncan, Montreal; W. W. J. Kellecher, Toronto. The Quebec Live-
stock Importing Co., Ithamar Martin,
Binbroak Bat., Alta.; W. Meharey, Russell, Ont.

Edyonson's holstein sale. The auction sale of Holstein cattle,
property of Chris. Edmonson, at Brant-
ford, Ont., Kord, Ont., on November 16th, was well
attended, and prices were fair. F.llowing is a list of animals that sold for Females
Bessie Spink's Last Beauty,
years, to T. W. Craig Be
Tord.................................... $\$ 18000$
$\begin{gathered}\text { Johannah } \\ \text { Burril }\end{gathered} \mathrm{S}_{\text {pink, }} 4$ years, to Burril, Brantford years, to
Luella Tensen Luella Tensen De Kol, 4 years,
to Wm. Prowse, Dexeham Cen-
tre
 to A. W. Smith, Dundas........
Lady Clare Pietertje , 2 years,
T W T. W. Craig, Brantford............. 18750
Alice Pietertje, 2 years Patterson, Alford Jct............. $167 \quad 50$
Braemer Iosco De Pride, 2 years, Braemer Iosco De Pride, 2 years,
to F. Chapin, Newport........ 15000
Belle of Lynden Iane Robt. Faston, Paris, ............. 13500
Lady Vecman De Kol, 1 year, to T. W. Craig, Brantford..........
Aaggie Ormsby De Kol, 8 mos.,

TRADE TOPIC.
Prince Rupert, British Columbia, the and for a young city Railway, is going apace, now done there is remarkable ng the month of September there were

NOVEMBER 23, 1911
Long Ago.
I once knew all the birds that came
And nested in our orchard trees : For every flower I had a name My friends were woodchucks, toads, and
I knew where thrived in yonder glen
What plants would soothe a st. bruised to-
Oh, I was very learned then: Oh, I was very learned then;
But that was very long ago

I knew the spot upon the hill Where checkerberries could be found,
knew the rushes near the mill I knew pickerel lay that pound !
I knew the wood-the very tree Where lived the poaching, saucy crow But that was very long ago. And pining for the joys of youth I tread the old familiar spot
Only to learn this solumn trut
I have forgotten, am forgot Yet here's this youngster at my knee
Knows all the things I used Knows all the things I used to know But that was very long ago.
know it's folly to complai
Of whatsoe'er the Fates decree
Yet were not wishes all in vein
I tell you what my wish should b
I'd wish to he a boy again,
Back with the friends I us
For I was, oh! so happy then-
But that was very long ago.

## QUESTIONS AND ANSWERS.

 2nd.-Queestions should be clearly stated and
planing writen, on one side of the paper only,
and must be accompanied by the tull and must be acompane side of the paper only,
addreas of the writer.
3rdi-In by teterinary the full naestions the aym and
andoms



Miscellaneous.
PLANTING WALNUTS
Where could I get a good quantity of
walnuts to plant (if possible, for plant walnuts to plant (if possible, for plant-
ing this fall yet)? What kind makes
the the most valuable timber? What grows the fastest, and the best nut, if any dif-
ference? What is ference ? What is the easiest and best
method of protecting young trees the first method of protecting young trees the first
winter ? I think I have read that the
Governmen Government supplies trees free for reforesting. Is that so? Do they supply
walnut trees tree? walnut trees free?
ceived information have already re
through your paper worth many times the subscription price.
I would I would not be without it. W. J. Ans,-For full information, also appli-
Cation for walnuts or seedlings, as pre
ferred, write

## $C^{\text {Guelph, }}$

YMMP
so the veter-old mare took lymphangitis mer, and when she stands in the stamb-
over night her. leg swells up thing be given to stolls it, as. Can any-
fit her for sale to fit her for sale by spring? $\begin{gathered}\text { YOUNG FARMER }\end{gathered}$ Ans.-This swelling of the hind leg
when when the mare has been idle for a day or so, is lymphangitis, or Monday-morning
disease.
Uorses of sluggish tempera ment are predisposed to the affection
which is to which is brought on by high feeding and
a sudden suspension a sudden suspension of accustomed exer-
cise. Treatment of a case cise. Treatment of a case bad enough
to require it, consists in giving a pur
gative gatequire it, consists in giving a pur-
ginger. 8 drams aloes and 2 drams ginger. Follow up with two-dram or
threedram doses of nita three timeses daily, of nitrate of potash,
sists in warm watw, and repeated bathing with
ment ment, applying camphoratod oint
and exx ther liniment after and excluding drafts. Keep comportable
Do not axercise until ness huw disappeared. Whe and lame gitis is disappeared. When lymphan

 $\begin{array}{cc}\text { ration } & \text { materially reduce the grain } \\ \text { part, } & \text { both. Substitute bran in } \\ \text { mare } & \text { inster for grain, whenever the }\end{array}$ ware .on rest a day or more.

SHE ARMEK = ADVGCATE


TWIN HEIFERS.
 breed ?
Ans. $-T$ free martin, that is an animal of the
male sex having the external genital organs of a female, and born twinned "Free Martins are not Breeders," in "The Farmer's Advocate" of November TOP DRESSING WHEAT When would you advise to top dress
wheat with barnyard manure, in faill or spring ? Would it protect the in fall or fall top dressing ? $\quad$ J. H. W. Oxford Co., Ont.
Ans.-From such experience as we hav judgment would in this matter, our lightly, some time soon, when the ground is frozen. Readers who have had experience are invited to tell of it.
SWEENEY-CATARACT. 1. I have a two-year-old Perchero colt that has been lame in left front leg
for about three months. for about three months. It seems to be
in her shoulder. She is not so bad as she was a while ago. Is it a sweeney ?
I worked her a little in the spring at light work. Her shoulder is not so aull as the other. It seems to be shrunken
a little, as if it was sweeney, will a blister do, or should I have a rowel put in ?
2. I have a cow that is blind in one eye. I noticed it about a month ago There is a little white fleece on the sight.
What will remove it. What will remmove the Ans. M. cates sweeney. Get a blister made of 2 drams each of biniodide of mercury and cantharides, mixed with 2 ounces of vase-
line. Clip the hair off the parts so she cannot bite them. Rub well wit the blister once daily for two days; on
$\qquad$ day. As soon as
repeat the scale comes off, until cured. Give rest. Recovery is
$\qquad$
$\qquad$
$\qquad$
$\qquad$

## MR. FARMER!

Do you know EXACTLY what you are selling?

Is it your knowledge or the other man's word?


Why not know as much as the buyer?

Don't give away your profits.


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ONT.

## "British Treasure"

Plain Cast Range for Coal or Wood. Beautiful Design. Smooth Castings. Easy to Keep Clean. All Nickle Parts Removable, Simply Lift Off.


Large oven, oven bottom made of steel, to ensure even baking and a saving of fuel.

Removable grates, either for coal or wood.
Castings are extra heavy, and will last ordinary lifetime with care.

Ask your dealer to show you the "British Treasure," nothing better made.

We give a guarantee with every range.
Treasure Stoves and Ranges sold by dealers everywhere.

## to D. MOORE COMPANY, tue

Hamilton, Ontario



Compare it with the others. Then you will buy

GOSSIP
coming events.
International Live-stock Show, Chicago,
Dec. $2-9$.
Dec. 2-9.
Toronto Fat-stock Show, Union Stockyards, Dec. 11-12.
Ontario Provincial Winter Fair and Poultry Show, Guelph, Dec. 11-15. Eastern Ontario Dairymen's Conven tion, Campbellford, Jan. 3-5, 1912.
Western Ontario Dairymen's Convention, Ingersoll, Jan. 10-11, 1912. Eastern Ontario Live-stock Show. tawa, Jan. 16-19, 1912
G. \& F. Griffin, Burgessville, Oxford County, Ont., breeders of Holstein cattle,
in their advertisement in this paper, call in their advertisement in this paper, call
attention to the high-class breeding and productive backing of their hord, which
is headed by the richly-bred bull, Canary is headed by the richly-bred bull, Canary
Rachel Clothilde, a son of Brightest Canary, whose dam claims a seven-day record of $26 \neq$ tbs. butter; his sire's dam a record of 30.64 lbs., and his dam's
dam 25.161 lbs. Cows in the herd have records of $12 \frac{1}{2}$ ibs. for two-year-olds; 16
lbs. at three years, and 20.21 lbs. at maturity.
Volume 18, of the American Gallowa Herdbook, a copy of which, by favor of
Secretary R. W. Brown, Chicago, Ill. is Secretary R. W. Brown, Chicago, M., is
received at this office, has recently been published. It is a heavy volume of 472
pages, containing pedigrees of 300 pages, containing pedigrees of 3,000 ani-
mals $-1,725$ cows, 1,269 bulls, and 6 mals - 1,725 cows,
steers; a tabulated list of premiums awarded at State Fairs in 1908-1909. The constitution and by-laws of the Association, a scale of points of the breed,
and a list of members. This volume is free to members, and the price to non members is $\$ 1.25$.
J. \& D. J. Campbell, Fairview Farm,
Woodville, Ont., report as follows : Th Shodvile, Ont., report as follows: The "The Farmer's Advocate" are the best we have hitherto bred. The young
Strathallan bulls are grow thy, fleshy and Strathallan bulls are growthy, fleshy, and
smooth, promising to grow into good large sires, full of quality. Some of
them were sired them were sired by Prince Victor
$=77165=$, our young stock bull of great $=77165=$, our young stock bull of great
promise. The dams are good milkers, yet, when farrow, flesk up rapidly. In sixteen years' breeding Strathallans we have sold many bulls, all of whieh, with
one exception, proved first -class investone exception, proved
ments to the buyers.

## sale

At an auction sale of Percherons at erty of W. S. Corsa, 51 head sold for an average of $\$ 669$, the top price being
$\$ 1,300$, for the black two-year-old filly Janedare, five other females selling for $\$ 1,000$ to $\$ 1,070$ each. The highest
price for a stallion was $\$ 800$, for the price for a stallion was $\$ 800$, for the
black two-year-old, Rebelator. At Pekin, Ill., November 9th, A. L. Robinson \& made an average of $\$ 561$, the top price for a stallion being $\$ 1,425$, for the gray
yearling, Kanin, and the highest for a female, $\$ 1,530$, for the gray four-yearold, Hague.
Duncan Brown \& Sons, Iona, Ont.,
breeders breeders of Shorthorn cattle, write - We
have recently sold a bull about sixteen months old, a Bruce Mayflower, a herdheader, to McWilliam Bros., of Wailace-
town, Ont., who know a good town, see it, and have been hunting a long time for one, which they found at last. We have also sold one about six-
teen months old to A. J. McLellan. teen months old to A. .. McLellan, of
Iona Station, Ont. He is a StrathIona Station, Ont. He is a Strath-
allan, a big, thick fellow, the kind that allan, a big, thick fellow, the kind that
sires the thick, high-class steers. We.
have sold another have sold another one about ten monthes
old to W. H. Bradshaw, of Bradshaw P. old to W. H. Bradshaw, of Bradshaw,
O., Ont. He is a Bruce Mayflower, winner wherever shown. We have also
sold another bull about ten months old sold another bull about ten months old
to John Futcher, of Middlemarch, Ont.. to John Futcher, of Mdatemarch,
a smooth, even fellow, of our dual-pur-
nose family, one that, no doubt, will give good results. We have a few yet
for sale, one about fifteen months old, Tor sale, one about fifteen months old, younger ones that we will sell at reason-
able prices. Our stock bull, Trout Creek Wonder, is still keeping up his reputa-
tion as being an impressive stock-getter tion as being an impressive stock-getter.
Wo have a few heifers in calf by him

GOSSIP.
The annual Smithfield Fat-stock Show, at the Royal Agricultural Hall, I.slington, London, Eng., is fixed this year for -

The party whose advertisement appeared in our "want" column a few weeks ago bearing address Box K , inorms us that a very desirable situation has been obtained, and that over forty replies were received from the one in-

A young Holstein bull, combining the blood of noted sires, with high mivk and butter producing cows in their pedigrees, is advertised for sale by A. A. Farewell, do well to look up the advertisen and write for particulars.

Sale dates claimed November 27th.-At Wingham, Ont., Wm.
Meharey, Russell, Ont.; Clydesdales. December 6th.-Aberdeen-Angus Consignment Sale, Chicago.
anuary 2nd, 1912.- Breeders' $^{\prime}$ Consignsteins.
sian Assoch day following Holstein-FrieSian Association annual meeting, Ho,-
steins; date to be stated later april 3rd, 1912-Belleville Club Consignment Sale, Belleville, Ont.; Holsteing.

TRADE TOPICS.
From present indications, the Second
Annual Toronto Fat-stock Show, held at
Tuesdoy, Deyards, Toronto, Monday and
will exceed the first show held along
and attendance. This year there is
added prizes for pure - bred steers and
heifers, also separate
heifers, also separate prizes for long-wool
and short-wool sheep
and short-wool sheep. Special arrange-
ments have been made so that cattle can
men exhibited at the Ontario Provincial
Winter Fair at Guelph, after being shown
at Toronto. The feature of the Toronto
at Toronto. The feature of the Toronto
Fat-stock Show is the auction sale of
Fat-stock Show is the auction sale of
prizewinners on Tuesday, which is at
tended by all principal Canadian slaught-
erers in search
Christmas displa

The Year is on the Wane. ©t 5
Along the tangled hedgerows
1 sought her day by day
Among the pallid roses
Tmong the pallid roses,
That longed to own her sway.
Through shattered August cornfields, Which languished for her smile; By rushing streams that clamored
Her gift of Rest awhile. Her gitt of Rest awhile.
From gray and cloudy dawnings,
Untouched by Summer's alow. Through days that lingered sadly. In darkness loth to go.
Without the kiss of Summer Transforming Gloom to Light That mystic kiss of Summer

The poor old Earth was wear the missed her her child: the brichtness that beguiled

The flow'rets lost their colo
The sky its brilliant hue;
And sunbeams sought her sadly
And sunbeams sought her sadly
In mists they wandered through.
Asought her still, 'mid weeping
Till winging of the Raillows whispered
The year is on tho
Wane! Mall Gazette.


Sold Over 850,000 Acres in Five Years

## WESTERN LAND FOR SALE

In areas to suit purchasers, from
r6o acres upwards, situated on or near railways ituated on or

Best Wheat, Oat and Stcck - growing Districts of
SASKATCHEWAN
AND ALBERTA
$450,000 \begin{gathered}\text { acres } \\ \text { FROM }\end{gathered}$ TO CHOOSE
Prices low. Terms most gener ous ana helpful.

## Special Inducements

 Given Actual SettlersOur crop payment plan requires no purchaser sells his first crop.s He can use all his capital for cultivation

Write for particula RELIABLE AGENTS WANTED IN
EVERY COUNTY.
F. W. HODSON \& CO. Rnom 102, Temple Building Toronto, Ontario, Canada. Branch Office: North Battleford, Sank,

NO NEED FOR WORR
Winston Churchill, the young English statesman, once began to raise a moustache, and while was still in the budparty to take out to dinner an English girl who had decided opposing political
"I am sorry," said Mr. Churchill, "we politics.
"No, we can't," rejoined the girl, "Por
to be frank with you I like your politics about as little as I do your moustache."
"Well," replied Mr. Churchill, "remember that you are not really, "remem-

## NO STORMS THIS WINTER


as it may, The man who is wearing one as it may, The man who is wearing one
of these warm Face Protectors won't
feel it. You can look straight into the storm with comfort. It keeps the face warm and protects it from drifting snow. It is the greatest thing in the world for
any person who may be called to) face and storm. Price only $\$ 1$.
a
name and address name and address for my

MARTINIUS DYSTHL Winnipes.

Canada

## Iowa Seeks Round Silo.

 The lowa Agr. Exp. Station has set outon a nation-wide bunt for a homemade round silo built in 1898 or earlier, and
incorporating some of the essential tures of the patented structure of to-day M. L. King, agricultural engineering ex-
perimentalist of the station perimentalist of the station, has onfered
a reward of $\$ 50$ for the first definite inPormation about just such a silo. He
He oxpects also to make a trip to several
of the older dairying districts of the United States
pioneer silos.
Back of this unusual hunt is the claim
of the wooden silo manutacturers of the wooden silo manufacturers that
American farmers
cannot
build
round American farmers cannot build round
silos of any type or material without
first pawing first paying tribute to therm in license
fees. They claim then fees. They claim a patent monopoly,
and they have organized themselves to enforce it. In the past summer of ex-
tensive silo building, they sent out thow sands of letters warning farmers who were putting up homemade silos, and
threatening suit for infringement. threatening suit for infringement. This claim of a silo monopoly concerns
the Iowa station, because two of its perimenters, Prof. J. B. Davidson and
M. It M. L. King, designed a successful hollow
tile silo three years ago, which they silo three years ago, which they
dedicated to the American farmer free use. This silo has been made the special object of attack in Iowa, where
nearly a thousqnd are in use. Letters nearly a thousqud are in use. Letters
warning farmers building these silos have warning farmers building these silos have
been sent out, and intimations of damage suits have been frequent. Whenever appealed to, the station has made the
positive statement, based on investigapositive statement, based on investiga-
tion, that neither brick, tile, nor masonry silos, in any way infringe upon
wooden silo patents wooden silo patents. After further in-
vestigation, the Vestigation, the station has taken the
new stand that it is doubtful is manufacturers really have a monopoly, as they claim, on wooden silo building. "We have good reason to believe says Mr. King, "that the special features
of wooden silos for which claimed, were used in some of the silos
aren built prior to the date of the patents, June, 1899. Those features are the con-
tinuous door, reinforced door-jamb braces and devices for hombs,
dorced ding the doors in place. Round wooden silos were in use long before 1899 . We
want additional want additional information about them.
For the first information received about. such a silo containing some of these men-
tioned features. $\$ 50$ will bo tioned features, $\$ 50$ will be paid, it it is
sent to the Iowa Agricultural Experiment Station, Ames, Ia. to fight anybody. It merely wants to make certain about these disputed points
and to protect the and to protect the farmers in Iowa and
in every State in what it considers the righery State in what it considers their
rild round silos of brick tile or masonry, and possibly of wood, also."

TRADE TOPICS
REDUCTION in price of cement Following upon the reduction in price comes an announcerment on November 1st some districts, 10 cents per barrel, an in others 5 cents, an average of about pany are working upon the idea of in-
creasing consumption creasing consumption by lowering prices,
rather than curtailing production and obtaining higher prices, is clearly show by its President's report to the share-
holders at the last annual meeting when he stated: "It is confidently expected output will result in further savings in the cost of manufacture and distribution
and it is the nolicy and it is the policy of your directors to
give your customers the benefit of these reductions." We trust that the expectadent of the Canada Cement Company
will be realized navin the company may continue its policy of givis\% the benefit of these reductions to its custumers-thereby enlarging the uses

## CLIMB ON!



Your weight or a bull's weight won't bend the CLAY Gate. We have tried ee men on a ir-foot CLAY GATE and it didn't even sag.
THERE IS A REASON FOR IT.

GANADIAN GATE CO., LTD,, GUELPH, ONT. 34 MORRIS ST.


WELL DRILLING is only in its infancy. As the populaincreases, so does the demand for Drilled Well

## CYCLONE DRILLS

With cable or hollow rod equipment. These drills will meet any conditions. Send for Catalogue F.A. 6o.

## MHESERENE, LHMHTED

Montreal Toronto Cobalt Winnipeg Vancouver Calgary


NOVFMBER 23, 1911
THE FARMER


HORSE BLANKETS

 might as well throw your ronee a way in order to
make an intelilient purchase, bear in mind the follow
ing three FACTS:
 2nd. See that the lining is well woven in the body,
and that it is properly sewn to the cover. Again, if the that it is properly sewn to the cover. Again,
ane cover has an at - B. Alobel sewn on the corner the
lining ill combine these features and be the best ob-
tainable.




The ADAMS BROS.' HARNESS MFG. CO., Ltd.
Toronto, Ont. Winnipeg, Man. (Woast to Coaskatoon, Sask, Edmonton, Alta.


## $\underset{\substack{\text { For } \\ \text { oxfrue } \\ \text { sump }}}{ }$ Clydesdale Stallion

Four years old, by Benedict. He is a beauty and sure toal geter.
AND TWO TWO-YEAR-OLD STALLIONS. VERY CHEAP
Willowdale Stock Farm, Lennoxvllle, Quebec


OFF FOR MORE CLYDESDALES !
ish to announce to all interested in the best Clydesdales that about Oct. 1st we sail for
nd for our 1911 importation. If you want a show sallion or filly, watch for our retura. BARBER BROS, Gatineau Pt, Quebec.
ROSEDALE STOCK FARM HAS FOR SALE mported and Canadian-bred CLYDESDALE and SHIKR HORAS, J. M. GARDHOUSE, WESTON P.O., ONT. 8 miles trom Toronto bv G. T. R., C. P. R. and electric railway, and long-distance telephone.
$\qquad$
 I hare Clyd
quality and
quality. If
and see me.
JAMES TORRANCE, Markham, Ont.
CLYDESDALES PERCRERONS AND CLYDESDALES
$\begin{aligned} & \text { Pull line of prizewinning stallions and mares always on hand. } \\ & \text { BEAVERTON, ONTARIO }\end{aligned}$
HODGKINSON \& TISDALE, Simcoe Lodge,


ADVocate.

GOSSIP At a sale of British Holstein cattle, in Ohber 2 25th, at Alm Lee, Essex, England, highest. price being $\$ 175$. There were no the cattle were in ordinary condition and the sounger heifers sold well, but ${ }^{2}$ land. A draft of Shorthorn bulls and heifers recently exported by Geo. Campbell, Hartsold at auction, brought fairly good prices. The red two-year-old bull, Els-
mere, by Royal Prince, sold for $£ 332$, 10s., the highest price of the lot. The
top price for a female was \&297, 10s old, by Midshipman.

The following Canadian breeders have
made entries in the classes named at International Live claskes named at
in Chicago December 2-9: to be held
Horses Clydescalaes: Graham-Renfrew
Cord Park.
 Sheep-Shropshires: John Loyd-Jones,
Burford. Hampshires : Peter Arkell \& Sons, Teeswater; Geo. Baker, Simcooe
Oxfords: Peter Arkell \& Sons, Teeswater; F. T. Lee, Simcoe. Southdowns:
Huntlywood Farm, Beaconsfield; Geo. Baker, Simcoe. Leicesters: Smith, Maple Lodge; A. \& W. Whitelaw,
Guelph; L. Parkinson, Guelph. Guelph; L. Parkinson, Guelph. Lincolns:
John Lee \& Sons, Highgate; L. ParkinJohn Lee \& Sons, Highgate; L. Parkin-
son, Guelph. Cotswolds: E. F. Park,
Burford; F. T. Lee, Simcoe. All are of Ontario, except

The dispersal of the Tandridge stud of
Shire horses belonging to Max Michaelis, Shire horses belonging to Max Michaelis,
High Holborn, England, which took place October 26th, was a remarkably success-
ful event, the 84 head sold averaging $\$ 940$. The highest price obtained for a
single animal was $\$ 8,000$, for the six-year-old stallion, King of Tandridge, by Lockinge Forest King. The highest price
for a mare was $\$ 6,000$, for the chamor a mare was $\$ 6,000$, for the cham
pion eight-year-old, Pailton Sorais, also by Lockinge Forest King. Fuchsia o Tandridge, a fiveyear-old daughter of the
same sire, sold for $\$ 3,750$, and 44 same sire, sold for $\$ 3,750$, and $\$ 4$,
others sold for prices ranging from $\$ 500$ to $\$ 2,250$. Nineteen head were yearling colts and fillies. Two of these colts brought $\$ 2,250$, and $\$ 2,050$, respectively
The Shires are certainly popular in their


## Barn Roofing

Fire, Lightning
Rust and Storm Proof Durable and Ornamental
Let us know the size of any roof you are thinking or covering, and we will make you an interesting offer

Metallic, Roofing Co,
LImited
TORONTO and WINNIPEG

## SHARPLEG Tubular Cream Separators

 Apes watching Which will you hire?
Aply this rule to cream separators.
Sharples Dairy

 the olde
tator cor
rhis cont
No oft
No ot

or coustworthy
logue No. 193.
Fite

bomio, onl separator co. An overworked woman is a sad sightman, because she is so much more fertile
in capacities of suffering.- W . Holmes There is no failure of life so terrible as to have the pain without the lesson, the
sorrow without the softening.-Hugh
Quickest, Surest Cough Remedy Ever Used
stope Evon Whooping Cough Qulokiy. Family Supply for 50c. Money Rofunded If It Fai
If someone in your family has an obatlnare, deep-seated cough-oven whooping ment, buy a 50 cent bottle of Pinex and wack that cough vanish. If it fails, mone back promptly, and without argument.
A 50 cent bottle of Pinex, when mired with home-made sugar esrup, makee 10 ounoes-a family supply-of the most effec
tive cough remedy that money can buy, at a saving of \&2. Gives instant rellief and
will usually wipe out a bad cough in 24 will usually wipe out a bad cough in 24
hours or less. Fasily propared in five hours or less. Pinex Cough Syrup has a pleasant taste
-children take it willingly. It stimulatea the appetite and is slightyly, laxative-both good features. Splendid for croup, hoarse
ness, throat tickle, incipient lung trouble ness, throat tickie, incipient lung trouble
nnd a prompt,
puccossful remedy
for Pinex is a special and highly oonoen-
trated compound of Norway white Pine trated compound of Norway white Pine
extraot, and is rich in guaiacol and other extementes which are so healing to the mem branes. Simply mix it with sugar syrup
or atrained honey, in a 16-oz. bottle, and it or strained honey, Used in more homes in
is ready for use. Use the J. S. and Canada than any other Pinex has often been imitated, but neves
successfully for nothing else will produce successfully, for nothing else win is proaran-
the same results. The genuine theed to give absolute satisfaction or money
refunded. Certificate of guarantee is wrapped in each packaze. Your druggist has
Pinex or will get it for you. If not, bend
to The Pinex Co. Toronto. Ont

1922
HORSE OWNERS! USE
 CAUSTIC BALSAM.

Messis. Hickman \& Scruby COURTLODGE,EGERTON,KENT,ENGLAND Live Stock of all Descriptions.
Horses a specilty. We buy from the breeder in
Europe, and ship direct to our cl lens, who thus
obtain what What they require very much cheaper tha Our Mr. Hickman will be at the International
Cicarc, and an be tound at the La Salle Hotel
or on the show oxhothe show ground, upon enquiry at the she ep
exhibit. He will also be at the mid-wit ter fair Guelph, Ont.. and can be tound at the Werlllagtor,
Hotel, or on the show Bround. upon enquiry at the All those who are ever likely to twant imported
stock showld tale this oportunity to interview
Mr. Hickman, as it may mean a saving of thou-



Singer Improved No. 4


Concrete Block Machine
$8 \times 8 \times 16$ Inches $\$ 44.50$
Larger outfit at propor
tionate prices.
Writo
epartment .F for full particulars. VINING MANUFACTURING COMPANY
BETTER TO SELIL THAS TO USE.
Custom
groison ?"
Drug Clerk-"We have two or three
any of them will clean out rats in shor
Customer-"I have already used yout
D'aragon Destroyer, but the rats go
wary, and I thought I'd try a change,
Clerk, incautiously-"'es, rats are very
suspicious. We're overrun with thern

THE FARMER'S ADVOCATE
QUESTIONS AND ANSWERS Miscellaneous.
line fencing
Is it right for a neighbor to object to
havins the line fence on tha proper place
The The line fence is right on front, but run
ning in on me two rods at the back, the
nreater greater part being bush on
place?
Ans.-No.
A SHEEP PAPER. Are there any papers published in Can-
ada or United States devoted solely the interests of sheep-breeding? if so
kindly give name and address of one
wo of most pre two of most prominent. SHEPHERD. Ans.-The Shepherd's Journal, a mont
1y journal, published by E. C. Clarke y journal, published by E. C. Clarke
Company, Chicago, Mlinois, is devote solely to sheep and sheep-breeding. Ther
are no Canadian journals devoted solely
to this class of This class of stock.
TITLE TO LAND of for 23 yearm, but has not been hear
himself, has lived on sather 1iving by buring that
time, paying town rent, rates, taxes. time, paying town rent, rates, taxes.

1. Can B claim farm after 1. Can B claim farm after 21 yea
peaceful possession?
2. B offers farm for sale; has he
$\qquad$
Ans.- -1 and 2. It is possible; but $w$
cannot venture to say from the foregoing
statement of facts alone thet cannot venture to say from the foregoing
statement of facts alone, that he has
title, and, accordingly, the right to sell.
3. He micht, perhaps, safely he certainly ought not to complete the
purchase without the fullest and mos
searching investigation of title by


Union Horse Exchange UNION STOCK YARDS IORONTO, CANADA The Great Wholessle and Retail

 J. HERBERT SMITH, Manager

Ormsby Grange Stock Farm ORMSTOWN, P. QUE.
A full stock of CLYDESDALES, imported and home-bred, always on hand,
at prices and terms to suit breeders.

## DUNGAN MCEACHRAN

Clydesdales, Stallions and Fillies, Percheron Stallions



nMount Victoria Stock Farm, Hudson Heishts, P. Q
 manaeger. Peachblow Clydesdalles and Ayrshires
Canadian-bred, high-class in type, Iydesdales I I am offering several atal


院THE MAPLES' PRIZEWI R. BROWNIEE, Hemminsford. Oue. he record of our herd of Heroford cattle at the leading Canadian shows for

Aberdeen = Angus|'Tweedhill Aberdeen- Ansus Oear Orangeville

 ORCHARD GROVE HEREFORDS

QUESTIONS AND ANSWERS.
material for barn
BOILS and PIMPLES
Get pure blood and keep it pure by
removing every trace of impure morbid matter from the system. Burdock Blood Bitters has been on the
market about thirty-five years, and is one of the very best medicines procurable for the cure of boils and plupes
Miss J. M. Wallace, Black's Harbor, N.B., writes:-" About five years ago pimples. I tried everything people told me about, but ooun and decided to try a was entirely cured, and would advis any lady who wants a beautiful complex ion to use B.B.B.

BOILS CURED.
Mrs. Ellsworth "Mayne, Springfield,
P.E.I., writes:- My face and neek were covered winds of remedies, but they did me no good. I went to many doctors, but they could not cure me. I then tried Burdock Blood Bitters, and I must say it is a won-
derful remedy for the cure of boils." Burdock Blood Bitters is manufactured only by The T. Milbura Co., Limited


Maple Lodge Stock Farm

 A. W. SMITHE, Maple Lodge, Ont. OAKL AND

 JOHN GARDHOUSE \& SONS Still have tor sale a right good loo of young Short
 Lome distance HIGHFIELD, ONTARIO. Shorthorns of Show Calibre

 g.Fn rifer E enn, grand vallev. Ont.

B

| INGINGINEARS DEAFNESS |
| :---: |
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|  |  |
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|  |  |

holidays for hired man wher youw rlaase statiting your valuahlo


THE DOVINION LINSEED OIL CO., LIMITEI); BADEN, ONT

## SHIP YOUR

## RAW FURS

E. T. CARTER \& CO., B4 front st. E. TORONTO, GAN

Write for our Price Lists


Shorthorns and Clydesdales
 W. G. PETTIT \& BON8, Froeman, Ont.

Burlington Jct. Sta. G. T. R, $I / /$ mile from farm



Shorthorn Heifers

1Have some excellent heifers all Haves. Will make it worth your
aghile if desiring anything in while if desiring anything in
this line to call. Have also got WM. SMITH, COLUMBUS, ONTARIO Shorthorns, Cotswolds, Berkstires.

 and


 highly-bred stock.
Lord Fyvie, imp;
tiah Archer family. DR.T. S. SPROULE M. P Markdale, Ont

 Lot. WAKLIT, Borton, Ontrail.
Shorthorns civice mititite of


The bald barber had just straightened versation had drifted to hair. The con"Which," observed the bald barber
they act quickly ANID ALWAYS CURE

Postmaster tells of quick relief Dodd's Kidney Pills give.
Two of them taken before going to bed clear away his pain in the back - Why
they always cure more serious Kidney they alw
Diseases.
Buck Lake, Ont., Nov. 20-(special.)
How quickly Dodd's Kiduey IMls relieve
pain in the back when taken in time is pain in the back when taken in time is
evidenced by Mr. Jannes Thomas, the
well-known and highls-respectell post well - known
master here
"I wish to
find relief for inforin you that I alway Dodd's Kidney Pills,", says l'ostmaste
Thomas. "Sometimes in the morning I cannot straighten up for hours, hut
I take two Dodd's Kiney Prills befurt
going to bed the pain all disappear,
and 1 have no trouble in the mornngs, Dodd's Kidney Pills act directly on thin
Kidneys. Where pain in the back is
caused hy slight Kidney disorders, thit
 longer, but Dodd's Kidncy Pills never
fail. Thousands of Canadians tell of
the cure of Kidney Disease of from pain in the back to 1Bright's Dis-
ease, by Dodd's Kidney Pills. There is Disease or of diseases resulting from


QUESTIONS AND ANSWERS Miscellaneous.
miscellaneous

1. Horse calked himself between knee and fetlock and it is discharging a gray-
ish matter a 2 -perecent. solution of carbolic acid and rubing with a lotion made of ounce each of sulphate of zinc and acea tate of lead to a pint of water. 2. How otten should a horse's sheath



 4. What should t. What
his water
Ans Ans-Tt any toreign body bo e. s. Trating well, except that you are usine

 $\underbrace{}_{\substack{\text { three } \\ \text { times dail } \\ \text { It depends }}}$ 2. . It depends upon the horse. Some
never reauire washinge other about once a year
2. Swe seling of the sheath and legs good practice to toring the tall. drams aloes and 2 dramm purgativ.
tends to remove the tendency to swell
Give regular exercise, and when no Give regular exercise, and
working feed lightly on grain.
3. This depends upon what is wrong
The habit of giving medicine periodically is wrong. If the urine becomes high
colored and thick, give a tablesponfal colored and thick, give a tablespoonfu
of saltpetre every night for three doses but do not give anything unless there is something wrong.

DUSTY HORSES
five years of age which seem to be righ rough and dirty. In half an hour after they have been cleaned they are as dusty
as ever, and look more a mouse color
than than black. The one will rub in the
stall and bite herself about the back and rump. In fact, her whole body back on shoulders seems to be itchy. They have
been allowed pasture until this summer when they only pastured about tw
months. In spring work they seem t lose flesh, but are always hearty, and are
well fed for the work they do enting three and a half work they of oo, euting
tines a day, and three
what hay they need This fall, betore they began to shed their
summer summer coat, I fed a small handful of
flaxseed twice a day for about a month and a half. This is not the first winter
they were in This condition rather strange to me, as they are fine
haired, and the hair does not stand They have a good warm stable, and when
cleaned should give a cood color cleaned should give a good color. I may
say I believe that the one has pin-
woms, worms, as I notice she passes some after
a feed of salt.
W. R. Ans. - The cold weather causes a thickold days cause he the hair to, stand, catch,
nd retain much dust. Keep the horses

## Feeding Suggestions

among Canadian stockmen, we believe a few suggestions into general use best methods of feeding it will be appreciated. First: Always mix the meal thoroughly with the rest of the fee
Take a $1,400-1$ b. horse for example:
Begin the feeding of Molasses Meal by

ine bought at wholesale prices direct trom the mill. Write for further
information and booklet containing additional suggestions on feeding
CALDWELL FEED CO., Limited, Dundas, Ont.


Blatchford's Calf Meal - The Perfect Milk Substitute



 shorthorns and oxford Down Sheep/ Hish Grove Jerseys No betuer blod in


 Prodection and qualitr. $\quad$ B. H. BULL \& SON, BRAMPTON, ONT,

 eading exhibitions. Some choiceve young bulls for sale, as well as cows and MECTOR GORDON, Howick, Quebec.




## .

$\square$
nóvember 23, 1911
suffered terrible pains OF INDIGESTION
MILbURI'S LUREDA-LIVER PELLS
Wm MacEw
Mrs. Wm. H. Macewen, Mount Tryon, P.E.E.1. writes - Fill the terrible pains year of indigestion, and my life was one of the greatest misery. whether I ate or not, the any difference whethere, accompanied by sesere bloating and belching of wind. I did not even get relief at night, and somy misery I tried many remedies said my misery to cure indigestion, but they did me not one particle of good, and I fully expected I would always be afficted in the way.
At this time my brother came home on visit and urged me to try Milburn's Laxa-Liver Pills, and got me a few vials. By the time 1 had taken onat with some
to improve, and could eat relish. I was greatly cheered, and continued taking the pills until all traces of the trouble had ill kinds of food without once more eat all kenence. I am so fully
the slightest inconveniencer convinced of their virtue as a ramily medicine, tham."
mending mence, ${ }^{\text {Price }}$ 2 cents per vial or 5 vials for
P $\$ 1.00$ at all dealers or mailed direct on
receipt of price by The $T$. Milburn Co, receipt of price by
Limited, Toronto, Ont.

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2 Holstein Bull Calves

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males. M. Halev, sorustord 0 Faimmount Holsteins
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Holsteins both sexes for sale from dams that
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Holsteins and Tamworths-For sale : Oo

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QUEStions and answers Miscellaneous.
feeding buckwheat
bhat is the cumprarative feeding value
buckwhent and barley when fud to

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Get Rid of Elastic Bands, Springs and with your rupture-it you don't get better righ Ses - Straps Such Harness Has Forced Thousands to Undergo

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ism. make life miserable tor everybody who wears
hhe them.
Moreover, they often do immense harm-they
squeeze the rupture. often causing strangulationsqueeze the rupure, often causing strangulation-
dig into the pelvic boone in tron- press against the
sensitive spinal colum at

The Plain Truth is This.
Rupture-as explained in our free book-can't be
relieved or cured-can't even be kept from growing
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What kind of a truss.
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lt's the tamous Cluthe Truss or Cluthe Automatic Massager.
Far more than a truss-far more that
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Self-regulating selt-adusting.
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have sean twork wonders for so many others-that
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We lll give you plenty We'll give your plenty of time to test it-if it
doenst kep your ruptre from coming ofut, when
oou are working and at all

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 This is a very senter, whothese dand
younger bulls, all of which are

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We own the world's champion cow, Pontiac Pet, 37.67 lbs . butter in 7 dayso We have here her sire and over 50 of her sisters. We can offer you young bulls that are more closely related tor the world, and our prices are right. Nearly 200 head you can get any place else ind. Come and look them over.
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 Holsteins and Yorkshires $\underset{\text { Ormsby } 4171 \text {. }}{- \text { Sir Admiral }}$
 4-year-olds, and one holds the world's record for year-
1y work $k$ as a 2 year-old . We offrer for sale 20 beifers

 RIVERSIDE HOLSTEINS Herd headed by Prince De Kol Posch; dam was champicn two years in succession at Guelph dairy
test. King Johanna Pontiac Korndyke; the record of dam and tor nearest dams on sirés side
average 32.12. Young bulls and lemales tor sale.

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At bargain prices, shearling ewes and a
few iged imp.rted ewes. bred to a dirst
class ram. In
In Cot swolds. coss ram. In Co'swolds, ,hearling and
twu shear wes, bed to the be re rame of the
breed also ewe la mbs, both breeds.
JOHN MILLER,
Cattle and Sheep Iabels
(2) $\begin{gathered}\text { Metal ear labels with owner's name, } \\ \text { address and any numbers. required. } \\ \text { They are and }\end{gathered}$

F. G. JAMES, $\qquad$ Bowmanvile, Ont
Farnham Farm
Oxfords and Hampshre Downs

 LEICESTERS $\begin{gathered}\text { only. G } G \in t \\ \text { our prices. }\end{gathered}$
c. \& E. W00D, Freeman P. 0. Burlington Jct. Sta., G T R. Long-distance phone. 12 good shearling rams; one imported shearling
 E. Barbour. Erin. Om? Present and Berkshires
 very reasonable. John Hayward,Eastwood.Ont very many winnera in Shp, Phoultry-I have bre
 a big quality shire filly and Whito Wyandotice poul-
tryybone W. D. MONKMAN Bond Head, Ont.
Ontion. Poplar Lodge Southdowns and Berk down sheep, rams or ewes, ram or ewe laums,
Berkshires. from youngters to to beeding age, of
both eexees. the hionest
 Spruce Lodge Leicesters
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 Lot of Reg Leicestry Shep for fale, botr sexes
tor
bargain prices. $W$ rite pour want. D.
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sows in pig. Boars sows in pig. Boars
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H. J. Davis, Woodstock, Ont. Hilton Stock Farm Molstelnsamd Present offering: 6 yearling heirers
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10 months, from hig frometesting stock. 8 to

rite | CHAS ERRGERS, ligersoli. Ont |
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| OCHABAR STOGK FARM offers a number or |



I HE FARMER'S ADVOCATE

QUESTIONS AND ANSWERS Miscellaneous.

| ALFALFA-FEEDING WH1. I have some alfalfa three ythat is beginning to grow verythe ridges. There are lots ofWould you advise giving a topof manure this winter?2. As wheat is about thegrain feed for live stock now, woadvise feeding italone, or mixed with fatteningmeal ration? Steers wits or comill haveof corn silage with lots of earsand clover hay. |
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2. Would sugcest mixing with oats in
proportion of one part wheat. to corn and oil-cake meal in small quant
ties would puat
then BALANCED RATION FOR STEERS -MARES FAIL TO BREED. 1. I would like if you would give me
the most economical grain ration to feed steers weighing 966 pounds, which I have
just put into stalls. 1 mean a balanced
ration ration. I intend keeping the cattle unt
middle of January kindly inform me as to the fattening
nualities have used it, and what it is worth? 2. I have two pure-bred Clyde mares,
three and four, and seems get them to conceive. What procedur would you follow to insure conception Lns.- Economical balanced rations can-
not be figured without the use of rough-
age. The question does not age. The question does not state what
kind of roughage you have to feed,
neither neither does it state the kind of ofed,
you have. The economy or non very often depends of a fen whether
or no theder has the grains at his
disposal disposal. It is often found that his
grains and roughage on hand can te grains and roughage on hand can be
made into a very suitable ration without
buying other material. We con vetter in this case than assume that you
have well-cured clover hay, and siloge Good quality. Steers to be finished in
January would require liberal feeding ratio of 1 to 7 or 1 to 8 , should prove
antisfactory be fed for such a short time. If the
steers were to be fed longer, a wider vation than this could be used to goor
divantage.
Steers of this weight
livel hikely quite young, and it has been found ow ration than on a wider one, while gradually. comes to hold the reverse
silage, 40 hs.; clover hay, 8 libs; Corn
strans, 5 lhs. Sats, 3 lbs.; oil cake, 2 lils,., and bround
neal, 2 lbs., should make a very sood alanced ration for these cattle, buo
whether or not it would be the most conomical ration possible is difficult to
tate. In considering this, the price of different feeding sturfs, on the local
arket must be reckoned. However, the oregoing may serve to give an idea of
Hhat is required. Brewers' prains are is required. Brewers' grains are
suited to the feeding of dairy catthe fattening animal. In pro
tion to the ambunt of dry mater

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Collies tha
workers.
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 - $=\begin{aligned} & \text { oumber of } \\ & \text { young boars. }\end{aligned}$ MATTHEW WISON, FERGUS, ONT ARIO

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A lot of or fine young bars and sows
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NOYEMBER 23, 1911
THE SPICE OF LIFE. the highway cow.
Some time ago Peter McArthur, in his
"Donald Ban" series of correspondence Donald Ban series of correspondence,
quoted a few lines from an old poem, entitled, "The Highway Cow," at the same time hinting, if we are not mis-
taken, that he would like to be favorell with a copy of the verses complete Half a dozen willing readers came for-
ward with the informp ever, was not acknowledged in print and still they come. The last to han
is from a correspondent in Simcs County, Ont., whose version we hav
concluded to quote, seeing the stanza appear to be so popula

The hue of her hide was a dusky brown Her body was lean and her neck wa One horn turned up and the other She turned down,

With a Roman
And ribs like the hoops of a homemad
pail.
Many a mark did her body bear, known;
On many a scar the dusky hal On many a scar the dusky hair
Would grow no more where it Many a parting sporting shot Had left on her a lasting spot.
Many and many a well-aimed stone Many a cudgel swiftly thrown
Had brought the tears to Had brought the tears to her lovel
eyes, Or had bounded of from her bony back
With a noise like the sound of a riffe
crack. Many a day she had passed in the pound For helping herself to her neighbor' Many a cowardly cur and hound Many a teapot and old tin pail
Had the boys tied to Old Deacon Gray was a good old man Hane,
fanh sometimes tempted to be proWhen many a weary mile he ran To drive her out of his growing grain Sharp were the pranks she used to
To get her fill and to get away. She knew when the Deacon went She watched him wisely as he went thy,
He never passed her without He never passed her without a frown,
And an angry gleam in each angry eye, He would crack his whip in a surly way
And would drive along in his one-hoss shay.
Then at his homestead she loved to call,
Lifting his bars with crumpled horn, Nimbly scaling his with crumpled horn,
Helping herself to his wall, Eating his cabbages one by one, Hurrying home when her work was do His human passions were quick to rise The fury gleaming from a bavage cry,
Like the eyes, Redder and redder his face would grow And atter the creature he would go. Over the garden, 'round and around
Breaking his pear and Trampling his melons into the ground Overturning his hives of bees,
Leaving him angry and badly stung.
The mases grew on the garden wall,
urs went by with their work an
the gray-halied farmers panse
wiv. ns the red leaves fall,
Wighwny cow outived them an
mamma has a great surprit
Nnow whatu a-blg bruver
his vacation,
d you know?,
d you know?"

IHE FARMER'S ADVOCATE


Are you anxious to save time and money on the work you are doing on your farm at present, and to get larger crops from your farm or orchard? If so, let us send ou, FREE OF CHARGE, our
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MENT makes fire-proof, strong farm buildings and fixtures at little cost. Nothing is wiser than for a farmer to adopt this material. It pays back its cost always, because it never rots or burns.
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It is a different book from any you have ever seen. It is made practical. It is made easy to underthe work of planning, building and finishing any article. All the prininal fixtures you want to build are given vou
If you are far-seeing you will build your farm butildings according to a set plan that will first give you economical feeding facilities, then laborSa mif fixtures, and finally crop-increasing utilities, such as manure cislessen labor and finally increase your farm's yield of crops, fodder, beef, e, eggs and butter.
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Make money on your farm by running it with proper buildings and each building properly fitted at small cost in concrete.
You better your farm as you build, because concrete uses the loose
your fields.


[^0]:    Two important dairy meetings will be held again this yar at the O. A. C. Dairy School during the
    weel of the Winter Fair. The cheese meeting wil
    be holl Wednestay be held Wellneslay, Deember 13 th, at 1.30 p.m.
    and thie creamery meeting on Thursday, 144 th , at
    cat seme witcome. Everyone interested in dairying will

