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## Che

# Farmer's <br> Xidrocate and Home Jragazine. 

## EDITORIAL

## Declare War on Weeds.

with good growing weather and a scarcity of farm laborers, we are having presented to us a horrtble spectacle of the manner in which weeds may disfigure and polute the earth. The condition of our farning at present is such as to admirably favor the growth of weeds. Land is so valuable we cannot afford to summer-fallow, even if we believed in it, and labor so scarce and high priced, that weeds cannot be properly managed to prevent their spreading. Of course, we cannot expect land to become cheaper, but it is to be hoped that as the population becomes denser, the land
will repay extra labor expended upon it to keep will repay extra labor expended upon it to keep it clean of weeds.

Within the past two or three vears, the spectacle presented along roadsides and railways is most harassing to those who are aware of the injurfes caused by the unhindred growth of weeds on these highways. Municipal authorities and railroad managers seem to be entirely oblivious to the injury weeds are doing the country, for no other avenue is utilized by weeds for dissemination purposes as is the railway. Last weel, a thoroughly practical farner, and one who is endeavoring to keep his own farm clear, and also the roadsides adjoining, brought Into our office two large bunches of weeds that had been introduced into his property by the agency of a new railiroad. In the lot were included black mustard, hedge mustard, tall mustard, wild mustard, bindweed, bleck bindweed, high mallow, tansy, annual sow thistle, peppergrass, ox-eye daisy, blue-weed, shepherd's-purse, burdock, pigweed, toad flax, several varieties of dock, fleabane, and a few others. All these were found growing in the richest profusion along the railway embankment. Such neglect might be excused the railway companies were it not for the fact that this spring a policy of retrenchment was instituted, and men were discharged in hundreds. Should the rallway companies not be compelled to prevent weeds on
their roadways spreading, and is it not in their their roadways spreading, and is it not in their
own interests to do so? We wo.ld not take a own interests to do so? We wo lld not take a
nessimistic view of the situation, and anticipate pessimistic view of the situation, and anticipate
the day when the reclaiming of the abandoned the day when the reclaiming of the abandoned
farms in Ontario will be an engrossing subiect but certain it is if there is not a more thorough warfare made upon weeds by the legislatures, corrorations and individual farmers, the work of
clearing farms will have to Clearing farms will have to be done over again,
and it is and it is questionable if the clearing of weeds be less arduous than the clearing of forests. that on a our readers, the other day, estimated weeds would amount to the produce of no less teeds would amount to the produce of no less
than five acres of fertile land. Do farmers erally realize this? And cannot the careless man who allows his farm to become a weed nursery for the locality, or the careless seedsman who stocks a customer's farm with some dangerous weed pest, be made to feel that the injury they are inflicting upon others is in reality tantamount $\mathrm{t}_{\text {o }}$ robbery, just as truly as watering or skimming milk or some other forms of wring-doing or care lessness which are made amenable to law. With Such frightful object lessons as that above cited all over Canada should wake up to the magnitude of the evil, and Farmers' Institutes and the Seed Division of the Dominion De,artment of Agriculalire should renew and continue their efrorts what is to-day probably the most alarming menace confronting agriculture in this country.

## Conduct or Auction Sales.

While freely admitting that there are times and circumstances in which auction sales of pure bred stock are desirable as a ready means of meeting an emergency, such as the necessity of dispersing a herd or closing a business, we believe the general opinion of experienced breeders is, that taken on the whole, in this country more satisfactory sales and purchases are effected by private contract than at public auctions. The lireeder who raises really good stock, keeps it in good condition, and lets the world hnow he has it for sale, seldom fails to find purchasers for all he can spare, at prices that compare favorably with those obtained at auction, when the expenses connected with the making of the sale are taken in to consideration. There is no other place where animals look so well as in their own stables o pastures; no other place where the buyer $\mathrm{c}_{\mathrm{a}}$ secure so much information as to the breeding o record of the animal, and the character of it family connections; and no other flace where all the conditions for calm consideration and a ful undestanding between seller and buyer are so favorable. The catch phrase. huying at you own price," is really no more applicable at an auction than in a private dean, for in the latter case one need not pay the price asked unless he is suited, and satisfied that the animal is wort the money to him. On the other hand, it is true that as a rule, except in the case of the dispersion of a herd, breeders do not risk thei best or most desirable aninals in a public oiter-
When, a few years ago, a scheme devised by Government officials for holding pure-bred stoch sales under their auspices was being exploited,
the "' Farmer's Advocate" took a stand in position to it, believing that advantage would be taken of such an ouportunity to get rid of in ferior stock, that the prices obtained at these sales would be regarded by the public as the standard of values for pure-bred stock, and tnat this would militate against the interests of breeders without corresponding advantage to the general buyer. In this position we were supported by most of the advanced breeders, and the history of these sales has clearly borne out our predi tuions
Evidences of devious and deceitful practices to raise the reported average have been exposed these sales have dwindled to offerings practically of but one breed, and the character of the bulk of the offerings has been quite below par. The principle of combination sales on a limited scale inas also been given a fair trial in this country in the last few years, and while the demand for a certain breed was buoyant, while something like a boom was in progress and first-class animals were offered, the contributors treating the public fairly and squarely, the results were satisfactory ; but when such sales are made a dumping ground for stock bought up for speculation and doubtfu methods resorted to for the protection of the hetter class from depreciation in value, public conjured.
To our mind, there is no valid reason for objection to the seller claiming the right to a re serve price on his stock in case the bids received do not reach his view of their value, but this right should be claimed in the announcement of the sale. Fiven in the absence of such announce of , the public rarely object to the witharawal of an animal in case the bids are considered by the
owner too low to justify the sale, but to degeend
o the practice of employing decoy bidders to proect the oflerings, withou any consideration for those who have gone to the expense of attending the sale, is indefensible, a violation of business ethics and of the confidence of bona-fide buyers, and is a practice which no self-respecting salesman can afford to permit. We have known in stances of such conduct being promptly and publicly exposed and reproved by the officiating auctioneer, with credit to himself and with the most salutary effect upon the sale.

## The Basis of the Egg Business.

otwithstanding the increased attention paid to the development of the poultry industry in canada during recent years, the continued high price of eggs, as well as dressed birds, in most parts of the country, has been a matter of sur prise to a great many people. In most cases, portation facilities and the growth of exports portation facitles a fort, the exports have been falling off, both in poultry and eggs. The ex port of eggs last year (1903) amounted to $\$ 1,436,130$, showing a decrease compared with any one of the previous years. In the agricultural press, poultry-rearing and egg-production have deservedly occupied a great deal of space and have been made a conspicuous feature of ex perimental farm work, and the Dominion Illustra tion Stations have made poultry fattening and export a specialty. Undoubtedly, poultry-raising is being more generally, systematically and in telligently carried on. Notwithstanding all this, how, then, is the decrease of exports to be account ed for? The explanation, doubtless, arises from the growth of home consumption and the good prices obtainable for eggs and dressed birds in Canadian cities and towns. The population of the country is rapidly increasing, particularly through immigration, trade is buoyant, in dustries are running at high pressure, and prices are naturally good for nearly arts of food products under such conditions. The " Farmer's Advocate "was, the other day, assured by one of he largest and oldest egg dealers in Canada tha the home consumption of eggs had practically tripled within a very few years, and this was to be attributed in large measure to the attitude o the medical profession in the prevention and treat ment of a wide range of diseases or a wasting haracter, relying upon nutrion by the use of eggs and medicines. For convalescents, too, and in a grea variety of forms, the use of eggs has marvellous many years to with the British merket nany years the Brish harket, home, ome, some $\$ 26,00,00$ annually act of cultivate the poultry busi ness. is safe less laborious than some other lines of farm work and if the flock should ever cease to e profitable it can readily be reduced. In Eng land, Canadian eggs, on account of their large size and appearance, are growing in popularity and if proper attention is paid to their selection, packing and transport, that market may tie ie lied upon with a great deal of confidence.

## Verdict of a Business Firm.

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## Observations in the Country.

## (Editorial Correspondence.)

In a recent trip of some fifty miles south of London, Ontario, passing through parts of the fine counties of Middlesex, Elgin and Oxford, the crop prospects and general evidences of prosperity on In few districts of the wominion with pleasure. fertile farms than in the townships of Westminster Dorchester, Dereham and Southwold, the soll for the most part being strong clay, varying to clay loam, with lighter land in limited areas in cer tain sections. Winter wheat, which is commonly
grown successfully in all this district, is this year a partial failure, owing to the unusual severyear a partial failure, owing to the unusual sever-
ity of the last winter, much of the land sown to wheat last fall having been plowed in the spring, and sown to oats and barley, with a prospect of good crops. Wheat fields that were left unplowed, probably because of being seeded to grass, ception a thin and unevenist hay, and spring grain, are well up to the average standard, pastures are fresh and full of feed, and even corn, which is unpromising in most districts, here gives promise of a fair crop for fodder and ensilage growth being the rule. The consequent thricy erally free from weeds, and have the appearance of being well managed; while the dwellings and outbuildings are of the most substantial and
tasteful description, evidencing the thrift and comfortable circumstances of the people. Throughout the most of this district dairying has for many years been the principal farming industry, cheese factories and creameries being tion of Western Ontario, and the solid financial condition of the farmers here confirms the opinion that, taling the years and the times as they
-ome, there is no safer business for farmers. where the conditions are favorable, than the production
and sale of niilh in its raw state, or its manu-
facture ito
feeding of hogs on the by-products of the factory prices obtained for expoit cheese made tha out come for the farmers exceedingly satisfactory, prospect is less roseate, but, pasturage batng so abundant, the yield of milk is large and cheaply produced, and as these people have stood by the dairy business steadily for more than a quarter of
a century, some of them have seen many uns and downs in the markets, and know that by staying with the business good average profits have been realized, and they are not easily discouraged. Owing to the lower prices for cheese and butter,
the extensive milk-condensing factory nt T ngersoll, operated by an American company, is receiving all the milk it can handle, at a cash price contracted for early in the year, and is providing a profitable outlet for a very large amount of milk. the great Annandale dairy and stock farm of 580 acres, belonging to the estate of the late Mr. E. D. Tillson, was visited. Readers of the "Farmer's Advocate" in past years have been informed that worthy gentleman in breeding and developing a. dairy herd of Holstein grades of phenomenal productivity, one of his cows, bred on the farm, having produced 20,132 lbs. of milk in one year,
five of his best cows giving 13,000 lbs. to 16,582 lbs. in a year, and sixty-five cows an average nearly 10,000 lbs. yearly. This result was accomplished by careful selection of the cows, weed-
ing out unprofitable ones, using sires bred in large ing out unprofitable ones, using sires bred in large
producing lines, keeping individual records, and producing lines, keeping individual records, and of the winter's ration of meal being fed through
the summer, even when the cows were on pasture. the summer, even when the cows were on pasture. The farm is now leased and operated by the well-
known Holstein breeder, Mr. Geo. Rice, late Currie's Crossing in the same county, the record of whose cows in public dairy tests and Pan-American prizewinning stands unexcelled, and whose breeding, and the manufacture of butter, renders him well-fitted for carrying on the work so ably inaugurated by the late owner of Annandale. Considering that since Mr. Thlison's death things on that obtained during his regime, and that the late severe winter played havoc with wheat and clover,
Mr. Rice is to be congratulated on the headway he has made since assuming the management in March last, his crops of forty-five acres of corn thirty acres of potatoes, and spring grain in ploHere is well illustrated the wisdom of securing of the Province is weak and irregular, largely the of the Province is weak and irregular, largely the
result of seed lacking in vitality, Mr. Rice, who raises and cares for his own seed corn, and tests its vitality before sowing, has an even stand over
all his fields, and by frequent use of a twoall his fields, and by frequent use of a two plants, cleaning two rows at a time, weeds have been kept under and the crop constantly improvbeen.
ing.
With
costin
With the best set of farm buildings in Canada,
costing over $\$ 75,000$, with an ample pure spring water brought by graviltation to every stall in the stables, with accommodation for one hundred and fifty head of cattle and five hundred hogs, with a complete creamery outit, operated by of the barn, even to the horse-fork and sheal carriers, Mr. Rice has a great field for the exercise of his energies, and the indications are tha he will prove equal to the occasion, as the work o work, and hurry or flurry have no place in his operations, but order and system prevail in every department under a wise and judicious adminis-
tration of authority: while the heart of the pration of authority; while the heart of the steins is so large that in his business circular farm, he says: "The latch-string always hangs outside, and if you cannot find it, 'kick in the

## Echoes.

since the now taken the "Farmer's Advocate since the beginning of it, and would not like to
bo without it. Huron Co., Ont

I would not be without the "Farmer's Advoate " for three times the cost of it.
Wentworth Co., Ont. JAMES McGUIRE. I very much appreciate the change you have
made in the "Farmer's Advocate." It is worth many times the subscription price.
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W. B. McClurg,

May say I am very much pleased with the paper, and appreciate it to the fullest extent.
Toronto, Ont. E. FRENCH, Confectioner.

## HORSES

## Lightning-stroke.

This accident is not of equal frequency in ani-
mals of different species. Lilghtning select special victims among animals, as the horso ox and sheep. From reasons that cannot readily be understood, the horse is nore frequently the victim than members of other species. The acci-
dent may occur either in the stable or field frequently in the latter. The consequences of the stroke, of necessity, vary according to the intensity of the electric fuild, and, also according to Whether its influence is
perienced by the animals.
Symptoms.-Violent electric discharges produce instantaneous ceath. slighter strokes, and those Which fall upon a neighboring object, cause conditions of more or less stupefaction and paralysis.
in some cases they produce a condition of unconsciousness from which it appears impositineonarouse the animal, and this condition may persist for several hours. In other cases there is noticed a degree of stupefaction and partial paralysis. Ie
led, he appears stupid, and staggers in his gait. The pulse, respirations and temperature in many cases being almost normal, while in others the two former may be abnormal, but the latter is
seldom affected except in the latter stape seldom affected except in the latter stages of the
accident that is about to prove fatal. The accldent that is about to prove ratal. The appe-
tite may or may not be impaired. In cases where the stupefaction disappears, or begins to disappear in a lew hours, where the paralysis is not marked and a desire to eat remains, the effects
are likely to be slight, and a perfect recovery are likely to be slight, and a perfect recovery
will probably take place in the course of $a$ few days: while in more severe cases, the paralysis, partial or complete, persists for some days, notwithstanding treatment. In the majority of cases
when death does not occur quickly, recovery may when death does not occur quickly. recovery may
be looked for, even though it be slow. It is seldom permanent disability, either partial or complete, remains as a sequel to lightning-stroke. On the skin, we may find straicht or angular lines, or irregular figures, indicating the course followed by the electric spark, and on the surface of which the hair 18 burned (these markings have sometmes been mistaken imprints ofins or face of the protecting hairy growths evelashes, hair tufts, etc. We sometimes observe very deep burns of the skin and underlying connective
tissues and muscles: present a dark red or hacklsh thint Post-mortem examinations of fatal cases present nothing characteristic other than the local alterations. In the maiority of cases, the veins are engorged with
dark blood, and the brain. lungs, kidneys etc. dark blood, and the brain, lungs, kidneys, etc.,
contaln small blod clots; but these characteristics are often entirely wanting. The flesh of an animal killed by lightning-stroke decomposes very rapidly.
TREATMENT.-There is no specific treatment Stupefaction must be must be puraly symptomatic. Stupefaction must be combated by ouretude and
stimulants in onehalf pint cold water, or six to eight ozs.
in whiskey or brandy diluted with an equal quantity of water, given as a drench every two or three
hours, as long as indicated.
Paralvtic symptome require the application of muscular stimulants and irritating topical applications as smartly rubhing with camphorated liniment, frictions, massage, etc. and where a battery can be procured,
the application of a slight dearee of electricity appears to give good results. The activily of the bowels should be encouraged by the administratwo of a slight purgative, as six drams aloes and of nux vomica two or three times lwaily dosit necessary, when recovery is taking place, the patient should be assisted to his feet, or pion ralking exercise.
wal

## The Conformation of the Drafter.

 The following from the Livestock Journal (London, Eng.)Everything in its place, and its requisite size and strength, is the idea of the builder of a ship She power in fuel is to be unnecessarily waste She must hold to sea with the minimum of re with speed and delivery, and keep out of the dry dock. One looks for something like this in the modern draft horse, no matter of what breed. Its load may be light and its voyage short, yet, all how. horses at times which are absolutely undefinable is to knees. These, on the other hand, are abnormally developed at the hock. Thigh muscle ions, from a reason easily explained-we do not put our stallions in the yoke now. A real good knee is an absolutely essential lever for hearch
truiems as ' no foot, no horse, but those who carry the check books through the market know
quite well that the thin division do not command quite well tha
all is about in the market place, he instinctively all is about in the market place, he instinctively
pitches upon those which are suggestive of pith and power. Minor show-yard attractiveness is not altogether forgotten, the like come, like go '
having to be held in vew, just as it was in the days previous to studbooks.
" If a horse is come of a family of good sound
constitution, amd there is no alsolute malformation, even if a little behind the show-yard stand-
ard as to feet and pasterns, we should hold him to be preferable. The commissioner sent out with a cortain amount of money to spend has no time to talk over the points which came up at the last
county show. The railway whistle shifts his county show. Thother country, and although the ground slobbing, lobbing sort may not be altogether in his mind, he knows they will fill the bill.
"A good-sized draft stallion or mare should have a well-developed knee, and fetlock joint in
proportion. It is scarcely of any use trotting prot the old adage, 'no hoof, no horse,' as nearly all the draft horses now have fairly good feet. Hocks, we think, should always be proportionate
to stifles and quarters. They are not so, some to stifles and quarters. They are not so, somehow, a great, thin, ill-spread, leggy sort having
at times hocks which throw it out of all bearing so far as the contour of a picture is concerned."

The Hackney Horse.
origin.-Thls breed originated in the County o Nortolk, England, through the crossing of Thoroughbred stallions on native Norfolk trotters. These trot-
ters were noted more for thelr ability to travel long ters were notad more for their abs through Bellfounder the American trotter may be traced back to trotters of Norfolle descent. Among the most creditable records that are known for these horses was that of the mare Phenomenon, that trotted in July, 1800,17 miles in 56 minutes, and in the same month repeated the same performance in 53 minutes. Bellfounder, at five years old, trotted two miles in six minutes, and in the
following year trotted nine milles in 29 minutes and 38 seconds. Velocity, the dam of Bellfounder, trotted on the Norwich road in $1808,16 \mathrm{~m}$ ines in one hour. In
1808 she trotted 18 miles in 1 hour and 47 minutes. 1808 she trotted 18 miles in 1 hour and 47 minutes.
Marshland Shales, in a match race, is reported to have Marshland Shales, in a match race, is reported to have trotted 17 miles in 58 minutes, carrying 168 pounds.
Norfolk Phen Norfolk Phenomenon is known to have trotted two
miles in five minutes four seconds. Merrylegs trotted miles in five minutes four seconds. Merrylegs trotted
a mille in July, 1884, on the road in 2.42 , and his dam' trotted a mile in three minutes at different times, and 5 min 22 years old she trotted 2 miles 290 yards in 5 minutes and 48 seconds. The dam of Sportsman,
her sire, trotted nine miles in half an hour. Chestnut, Horse, brother of Merrylegs, trotted two miles in 6.22, when four years old, and his brother, Bay Horse, trofted 17 miles within an hour in Jupe, 1830, trotting the last mile and a half in four minutes. In August, 1830, in a matched race, he trotted four miles
in 11.45 , carrying 168 pounds. Another record for the Norfolke trotter was made on April 24th, 1820, when 100 miles was trotted on the Ipswich road in 12 successive hours. The first fifty miles was trotted in
five hours and five minutes ; the 100 miles in 11 hours five hours and five minutes; the 100 miles in 11 hours
and 40 seconds. These records indicate that the Hackney at an early day was bred for endurance, together
with speed and substance. The mating of Blaze, a son of Thoroughbred Flying Childers, upon the native mares of Norfolk appears to have originated this type.
Flying Childers was the get of Darley Arabian (imp. 1702 ), that had so much to do in the making of the Thoroughbred. Blaze sired Shales, the sire of Driver, the sire of Fireway, and to the latter nearly all the
noted Hackneys of to-day trace, such as Rufus, Confinoted Hackneys of to-day trace, such as Rufus, Conil-
dence, Lord Derby, Trimts, Fireway, Danegelt, Goldfinder, Field Marshal, etc.
CHARACTERISTICS.-The typical Hackpey is a horse of extreme smoothness and gracefully curved outlines. The head is light and exprespive: neck mus-
cular and curved, but free from-heavinesp: shoulder smooth, and laid well back; body ctrcular, compact, shart; hips smooth, quarters plump with nuscle; legs
short, and tendons clearly defined. Their action is noted for its gracefulness and stylishinosse, being very
high and round in front, and regular behind. The high and round in front, and regular behind. The
front legs are thrown very high, and the feet appear to follow the edge of a circle in their course. The action of the hind legs is peculiar, in the degree to which they keeping the stride and the body balanced. The move-
ment of the typical Heckney is elastic, the feet coming to the ground easily, and leaving it with a quick motion. In their hird action there seems to be more movement and less action in the stife than in the instance of the majority of American trotters. These are seldom over 15.3 hands; the general preference being for those of this height rather than over it. An in-
crease in height is very often due to an infusion of

Thor ughbred. blood, which will also show itsalf in UTILITY. -The Hackney is best duction of coach horses, and for sulylited for the procob horses for clty drlving. Their attractive appear ance and excessively high action are the qualitios that adapt them for city turn-outs. Their action is, to a
large extent, the result of cultivation, large extent, the result of cultivation, so that the train-
lng and fiting of these tiorses Ing and fitting of these hiorses for the market becomes gree, the Hlackney form and action. The use of Hack ney stallions from inspected mares is rarely satisfactory, especially if used on mares of mixed breeding, due to the short pedigree of the) stallion, his short ancestry
being likely to decrease his prepotency.

STOCK.

## Infective Animal Diseases.

Through the medium of his special articles contributed to these columns during recent years, and by our reviews of several of his works, readers preciate Farmer's Advocate" have learned to apfession and service ren F. R. C. V. S., owners by Capt. M. H. Hayes, authorities of the day on these subjects British his best-known works are " Veterinary Among Horse Owners," ". Points of the Horse,", ". Riding and Hunting," "i Stable Management and Exercise," " Illustrated Horse-breaking," etc. We have now received from the publishers, Messrs. Hurst \& Blacketts, 13 Great Marlborough St.,
London W., Eng., a copy of volume 1 of Fried-

The Ox Warble.
The observant stockman will have noticed in the winter or early spring, lumps or tumors in the skin of
the middle back of his cattle. These, on further examination, will be found to contain, besides the pus and broken-down tissue, a large, feshy white grub. This is the larves of the ox warble.
For many years entomologlsts were unable to agree one time thought to have of the insect. It was at by the eggs being ladd on the animal's to the skin hatching the larves lasting the animal's back, and on Lact that more thorough investigation has revealed the the that such is not the case : strange as it may seem, The method pursued by the insect is entirely different. The eggs are deposited by the female on the halr of the cow, in places where they can be reached by the
animal when it licks itself. When they reach the cow's mouth they hatch, and the minute larvee bore into the cosophagus, or other parts of the alimentary canal, cosophagus, or other parts of the alimentary canal,
and work their way through the muscular tissue until
they they reach the middle back. Here they remain, living by means of, the breathing hole they made in the hide, and fall to the ground. On reaching the ground they work their way below the surface a short distance, eter the pupa stage, and emerge in a short time as
the adult fly. The adult fly belonga to the family EEstriddes, or the botflies, of which the best known is the horse botfly. which at a casual glance might be mistaken for a honeybee, except that the female has the end of the abdomen pointed and turned under. The
other common member of this family is the sheep bot fly. If one of these ox warble flies be captured and examined, it will be found to have a large head with broad face; the antennæo minute, three jointed, and
not readily seen ; mouth-parts stmall and inconsplouous. not readily seen; mouth-parts stall and inconspleuous.
The importance of some practicable remedy is at


Hackney Mare, Fair Nell 65; Sire Robin Adair, out of Steeton (imp wnel by Rawlinson Bro3, Calgary, Alta
 of prevention, at an-
though I noticed $\begin{array}{ll}\text { during } & \text { last } \\ \text { noticed } \\ \text { summer }\end{array}$ that $\mathbf{c o w s}$ summer berger \& Frohner's Veterinary Pathology, fourth had been sprayed for the stable and horn files did not
edition, revised and enlarged, translated from the seem to be troubled as much as the others German into English, and edited by Capt. Hayes. in same pasture and under same conditions, there mere This work, "Lehrbuch der speciellen Pathologie some which for some reason were almost immune from und Therapie der Hausthiere," is not only the highest authority on veterinary medicine in Ger-
many, but its French translation has been adopted as a text-book on the subject in the Veterinary Colleges of France. in the authori/ed translation before us Capt. Hayes has unquestionably
done his work well, and in its mechnnical execudone his work well, and
tion the book is a credit to the publishers. To the library of the up-to-date veterinarian it will be an invaluable addition, and, in view of the
fact that infective diseases, with which it so thorfact that infective diseases, with which it su thor-
oughly deals, can in many cases be communirated oughly deals, can in many cases be communirated
from animals to man, this volume will be appreciated by medical doctors, as well as veterinarians, whom the second volume will more par-
ticularly concern. A good many addenda ticularly concern. A good many addenda have been made, which will make the work more fully
meet English requirements. It contains a veluable chapter on bacteriology. The price of the

Beats all Other Weeklies Now.
I like the "Farmer's Advocate" very much, and
would not like to be without it, especially since it
comes weekly. I trust you will have every success in comes weekly. I trust you will have every success in
your good work, as your paper ought to be in every farmer's home. The "Farmer's Advocate" beats all
other weeklies other weeklies now, according to my mind.
Widdleser Co. SMITE attacks animals did not seem to make any apprectable difference, both the well nurtured and those less fortunat
being attacked with equal willingness being attacked with equal willingness by the insect.
Peel Co., Ont.
H.

## A Tribute to the Cow.

By Col. F. M. Woods.
Grand and noble brute! of all the animal friends of man she is the gleatest. To her we
owe the most. Examine into all the different channels of commerce into which she enters and note the result should she be blotted out.
A Sunday stillness would then pervade the great stock-yard industries of our large cities, and grass would grow in our streets. Fifty per cent.
at least of the freights that at least of the freights that plow the continent
from ocean to ocean would bidetracked from ocean to ocean would be sidetracked, for
there would be nothing for them to do. Fifty per cent. of the laborers would draw no pay on per cent. of the laborers would draw no pay on
Saturday night. Our tables would be bare of
the greatest luxuries with the greatest luxuries with which they are nuw
covered. covered.
Oh!
as you are about abuse a cow. I wish that I meal, might slip up and remove from vour tatle what the cow has placed thereon. I'd take the
cream, the cheese, the butter, the custard pie
the cream biscuit, the steak, the smoking roas of beef, and leave you to make a meal of potatoes beets, pickles and toothpicks.
It's the self-same cow that made the great western plains to blossom like the rose, and were not for her they would revert to the Indians
from whence they came. None others like the from whence they came. None others like the
cow. There is not a thing from nose to tail but We use her horns to comb our hair, her skin upon our feet, her hair leeps the plaster unon our
walls, her hoofs make glue, her tail makes soup, walls, her hoofs make glue, her tail makes soup she gives us our milk, our cream, our cheese and
butter, and her flesh is the greatest meat of the nation; her blood is used to make our whit sugar, her bones are ground to fertilize our soil, and even her paunch she herself has put through
the first chemical process necessary for the production of the best white cardboard paper; and it has been discovered that such paper can be made into the finest quality of false teeth.
and day. My day she gathers food, and when wht are asleep at night, she brings it back to rechew and convert it into all things of which I speak. She has gone with man from Plymouth Rock the first sod in the was her, sons that turne the first sod in the settler's clearing; it was
her sons that drew the prairie schooner for the sturdy pioneers as inch by inch they fought to prove that "westward the star or empire takes its way," the old cow grazing along behind, and gave the milk to fill the mother's breast to feed the sucking babe that was, perchance, to become the ruler of his country.
Who says that much of what we are we do not kindly, gently, for without her, words fail to de (atho silualion.

How Shorthorns are Recorded in Canada. o ensure a satisfactory record of pure-bred stock of any breed, it is necessary that the rules regarding the sama be driawn up as complete as possible, and yet be in the simplest language, so Even under these conditions, mistakes are occasionally made, and so owners of pure-bred stock should ever keep handy for reference a copy of the rules and regulations allecting the particular breed of live stock in which they are interested. shorthorns excel all other breeds in number and general dis exce Association ness men in the Dominion. rules governing the registration of the the very complete, and are drawn up in what are the best interests of those recording, as well as with the view of simplifying the office wor
force, with suggestions, by following which ers will both simplify the work of recording and also obviate risk of confusion and error
The blank application forms issued The blank application forms issued Dominion Shorthorn Breeders' Association (incorAssociations, Department of Agriculture, Ottawa) have a space for the name of the animal, color, Sex, day, month and year of birth ; also, for the
signature of the owner of the service bull, date and year of service, and the name and address of On the line below, a space is reserved for the name and number of the sire, and the same for
the dain. The exact date of birth, it the animal
 the signature of the breeder is required, or, in case of decease, that of a proper representative.
The bieeder of the animal is the owner of the The regulations, price and instructions for mak ing entries are to be found on the back of the
application form. These forms are provided free ffice in which is written a book is kept in the of each animal recorded. These forms may be had upon application (by post card or otherwise)
to the secretary and editor, Henry Wade, ToIn naming
requested not to use common names, which are liable to become confused. A good plan is to
prefix or affix the name of your farm, county o be applied to the other sex. An animal cannot have the same number as that of an immediate

Females are entered under their owner's names,
in alphabetical order, and all bulls and cows appearing in the lineage of animals sent for record
are recorded with proper numbers in the Canaare recorded with proper numbers in the Canaported animal. English numbers are recognized beyond that. No animal is admitted to registry in the Canadian Herdbook, except those whose pedigrees trace in all their crosses to imported
cows registered in the English Herdbook. Regis tration in the English Herdbook of stock im ported previous to 1865 is not required. No animals recorded in that book that have no ancestor on record or eligible, for record previous t
Volume 21 are admitted. Those imported since 1846 must trace to ancestry distinctly designated but owing to the difficulty connected with keeping proper records prior to that date, it is sufficien All aplications ancestry has been imported. which thay are received at the office of the Association, except in cases of emergemcy, where cer tificates are required for shipping or for sales they are then considered in advance of thei
regular order, and certificates are furnished, bu the pedigrees are not advanced thereby for entry this ye herdbook. The work of the Association this year, owing to the large number of registra creasing, over 19,000 letters and communications having been mailed, 1,936 membership receipts circula herdbooks, 1,800 annual reports and 1,800 circulars re dairy test. All pedigrees receive
have to be checked, then posted. Fully half of the letters that are received with pedigrees hav to be answered, on account of insufficient informa A pedigree is never passed witheut consideration. A pedigree is never passe d without examining of the sire, and examining the dates of birth produce posted under the dain to detect errors in date of birth.
Original papers and forins, after being printed or copied, are kept on file, and all money is re
ceipted as soon as possible as it comes to the of fice of the Association. These papers are all ex Mr. C. F. Complin evial auditor of the Association At. the end of each year he prepares a statement of the number of herdbooks sent out, the number sold, and a statement of all moneys received by the Association during the year. This is arranged report, which is distributed to all members of the Association and the press.
It is proposed in Volume 20
book (which is now in the press)
enort is now in the press) to re-print this dition to this year's herdbook. A aluable ad the manuscript for Volume 20 shows that it will contain the pedigrees of 5,476 cows and $\&, 837$ of 109,541 pedigrees. hibitions throughout Canada will appear in Volume 20 , and should also add interest to that tributed prize Association has, since 1895, disProvinces and Territorles amounting to over $\$ 22,325$. per annum, which has resulted in a very large inmore of the herdbooks ainongst the breeders. The penalty fees have also been reduced-to members,
from $\$ 1.75$ to $\$ 1.0$, and for non-menbers, from from $\$ 1.75$ to $\$ 1.00$, and for non-members, from
$\$ 2.25$ to $\$ 1.75$. The time limit was changed, in
1897 to Every member of the Association year a copy of the herdbook free, and for the benethe cost of registration, it is as for in members For registration and certificate: to twenty-four months old, $\$ 1.00$ to mermbers, and $\$$ per year ; transfers, 25 c ., and duplicate certifiI would suggest that all breeders of Short horns who are not thoroughly posted on these them in a scrap book, or keep them in some other Representatives of the Dominion Shorthorn Breeders' Association will attend the Dominion of Canada Exhibition at Winnipeg, and the Secreforms, pedigree blanks, transfer slips, etc., to any Registrations and memberhip fees may also be. made and paid during the Exhibition, as a con enience to the Western breeders. HY. WADE,

The Leader
I consider the "Farmer's Advocate" the leading
arricultural journal of Canada. It would repay every
armer and stock-breeder to have your paper in his
ome. Wishing the "Farmer's Advocate" every sic

Impressions of the Royal Show.

## Der

## (Special corrospondence,

e sixty-fith Farmer Advocat Royal Agricultural Society of England was held at Park Royal, the new and permanent grounds, close to the Cilty of London. Perhaps no other agricultural exhibition held in any part of the world has so wide an acquaintance and is so highly recognized as the English Royal. For years it has stood in a clase by itseir. To be a Royal winnor is a commendation for an animal in any country This being the case, we would naturally be anxious to see and learn of the methods employed in managing so important an institution. This year
This show has had a most wonderful history, commencing as it did at the beginning of the reign of the late Queen Victoria, who was at one time President of he Royal Agricultural Society. For some sixty-three
years annual shows were held from year to year, missyears annual shows were held from year to year, miss
ing but one in the various parts of the country. In all some thirty-five different towns were visited, some of them twice, and a fow three times. Under this itinerant method, going to the people as it were, the
show became very widely and favorably known. Peopte looked forward with expectancy to the time when the show would be held in their locality. All sections were interested, because sooner or later it would cume to their locality. Some three years ago a majority of
the members, or those in charge, decided that in the the members, or those in charge, declace that in the manent meeting place. London was selected. This
brought forth dissent frou many quarters. In some brought forth dissent from many quarters. In some ieving the plan to be mrong and inconsistrent, that those districts remote from London would not be benefited. The first show on the new and permanent grounds was held last year. The entries were numerous, but the people were now show an appreciaction dor suot care for agricultural show? Then the people from the other sections, why did they not attend? The first yoar is always more or less of an experiment, thus it would take a couple thought the managing board. This year nothing was left undone in the way of advertising, the papers were most liberal in their notices, posters were to be seen in This year's Royal will go down in history as being a This year's Royal will go down in history as being
good show, so far as exhibits were concerned, but poor, yes, almost a failure, in point of attendance. Some, and they are by no means a small minority,
claim that the management is not close enough to the claim that the management is not close enough to the roorganization before it will be success in ever respect; that the district fairs, patterned after the Royal, will replace the latter, unless new and more osely connected relations are obtained between the cortunate, not only for England, but for all other coun tries, if the Royal show should cease to serve the need its people. If the present condition of affiairs con continué bringing out well-fitted animals and will no the same before empty grand-stands. Whatever may be said against the management in regard to the at lendance at the recent show, it must be admitted thai chey conducted one of the cleanest, best harranged, mos
convenient and truly educational shows ever held by society in any part of the world. Everything was ready when the show opened, and event after even passed of in clock-like order, and the show was drawn in any part without the slightest indication of a hitch a regular attendant at the leading fairs of Canada and the United States for almost twenty years, and never before did he see anything which approached the methodical work of the recent Royal. It was a truly branches which have a most direct bearing on this work could be found in any part of the grounds. There were no side-shows, gambling dens or horse races to be seen at any time during the entire week. Everything was value. The convenience of the exhibitor was not considered, if the outcome would in any way be detrimental to the views or comforts of the spectators. The latter were always given every possible consideration, and The machinery exhibits were all to be found on one side of the grounds; the general agriculture and educational exhibits on another, and all of the live stock on anthe center, thus convenient to all parts.
The arrangement of the stalls and the animals in the stalls was most complete, and very helpful to the arranged in two cattle, sheep and swine barns were all tween. Each barn would buildings, with an alley be or twenty-five animals, or pens of animals; then the animals are arranged in the same order as they appear in the catalogue. This was carried even further. Inhibitor or firm located in the same barn, as is the
common custom tin common custom in America, all the animals of one parit possible to make a careful study and a comparison

JULY 21,1904
of any class of animals at any time during the enure
show. This is as it should be at any recognized fair show. judging is all done the first day, and at the same time in all the breeds. This makes it impossible
to follow the work of the judge at the time the work is being done. But there is not much satisfaction in so doing anyway, as where the people are kept on the
outside of the ring it is next to impossible to form ate outside of the ring it is next to impossible to form sale
opinions. (At the Royal only the fudge and one atopinions.
tenant for each animal was allowed in the ring.) The remainder or of the week this can be done in the stalls,
where the animals are always to be sean as the where tho animate are airways be seen, as they are
plainly numbered, and large placards giving the judge's rating are posted in a conspicuous place. At certain spectifed hours the prizewinning animals are all paraded
s. In front of the grandstands. They pass around in the regular order of their winnings in the ring. This affords
un excellent opportunity of seeing them in motion an excels feature in all the breeds of stock on exhibi-
noticeable (ion was that there was always compettiton. This was due to the fact that according to the rules of the so-
ciety any breed which was not represented by three ciety any bred which was not represented by three
different exhibitors lost its classification the next year. In fact, it was cancelled at the time, and the entry les
returned to the owners who were present. This ruling returned to the owners who were present. This ruling
may work both ways. It is enforced for the purpose may work both ways. It is enforced tor the purpose
ot compelling the exhibitors or breeders of any parlocular breed of stock to see that there is a good
representation of the breed on exhibition. Sometimes it happens that a most worthy breed is barred, while some other breed or and or no value is represented, Turing the recent show the Cotswold and Border Leicester sheep were excluded by this ruling, while some other breeds with little or nothing to commend them
were entitled were entitled to show and win premiums. The same
ruling also applies to the different classes or any breed The Angus and Galloway cattle both lost some of the younger classes by this ruling. The judging is all done
in the open, as no pavilions or protection of any kind in the open, as no pavilions or protection of any kind
are provided for in case of bad weather. But the judding is all done in a few hours, and bad weather is no
likely to entirely prevent the work. All work is an by the single judge system, which aids very much in the dispatch and general satisfaction of the same.
The livestock exhibits, on the whole.
The Hve-stock exhthits, on the whole, were very
good. Perhaps no other show offers such an extensive good Perhaps no other show offers such an extensive
classification, as in all more than fifty distinct breeds were on exhibition. Nothing but breeding animals ara shown. The animals were all in good condition; some
were overdone. The later wa true were overdone. The latter was true of several of the
aged animals, and those in throe year-old classes. The younger things, as a rule, were not so highly fitted as animals of the same ago would be at the American shows. For some reason there were a number of ann-
mails very bad in their feet and legs. In some inmale very bad in their feet and legs. In some in-
stances they $\begin{aligned} & \text { might almost be classed as cripples ; }\end{aligned}$, stances they might almost be classed as cripples;
otherwise these carried their form nicely, and showed little or no indication of patchiness or roughness at the tail or along the back and loin.
The horses made a fairly good showing, being of
average quality and not overly numerous. The clydesdales and hunters were noticeably weak, while the surfolks and Cleveland Bays made a strong representation. Shires and Hackneys were present in sufficient numbers, and possessed enough quality to make an average ap-
pearance. The show would not compare with the ex. phearats seen at some of America's best fairs.
H. bit
The cattle department made a much better appearnance. In most instances the breeds were well reprosented, in both points of numbers and individuality.
This was especially true of the Shorthorn, Devon, Hereford, Jersey, Guernsey, Kerry, Sussex and Dexter Kerry breeds. The remainder of the breeds, while in
some instances lacking in numbers, usually were good in
Sheep are generally strong at the Royal. This year proved to bo no exception, as in in all some in intern
breeds were represented. The Hampshires and Dorset were very strong, while Southdowns, Oxfords, Stropshires and Sufroiks made a good showing. The other
breeds were not so numerous, but in many instances good individuals were to be sean
The swine exhibit consisted of five breeds: The The swine exhibit consisted of five breeds: The
Large Whites, Middle Whites, Tamworths, Berkshires and Large Blacks. The exhibits, while not large, were of
fairly good quality.
The Berkshires were rather too short in the quaky to to in keeping with modern ideas.
The Tamworth were very nice being smooth The Tamworth were very nice, being smooth shoulder and having plenty of length and depth of
holy. The Large Blacks are rather ungainly looking and, in the Larger Blacks are rather ungaimy looking, and. in the writer's estimation, have not very much to
Commend them to any people. The Large and Middle
Whites aider
 is tao short and thick to be desirable from a bacon The general agricultural exhibits consisted of the
various booths of the different seed firms, which were "Wreedingly well arranged, butter, cheese, poultry,
hin ny, bees, wool, hops, and the displays prepared by hung, bees, wool, hops, and the displays prepared by

In the machinery department were to be found every
int and description of implement or vehicle which could inn and description of implement or vehicle which could
American com-
 Welter construction, are not so popular in the eyer is h farmer as the home manufactured, which are built to wear. In many instances simplicity of
Operation and general convenience is sacrificed for dumaLondon, England, June 29th, 1904.

## FARM.

Problems of the Soil. -XII: The Legumes in the Rotation.

## Clover family are "easy "hat plants on the pea and the land, and the belief upheld by the common

 is upheld by the common experience that the ordinarygrain crops of the farm do better after a crop of this class of plants-the legumes-than after other crops of that cereal class. This fact leads to the conclusion is the common belief in regard to this class of plants.
As a matter of fact, as a a glance at the table published in parer X. of this series will show, there is no class plants, with the possible exception of some of the
,oct crops, that contains larger quantities of fertilizing Materials. Clover, for instance, contains more fertilizeing elements, in the amount usually obtained per acre,
than turnips, which is one of the hardest crops on the
 know that clover "builds up" the land, while wheat
and turnips impoverish it. How shall we explain this fact? As we saw at the beginning of this series, of the As we saw at the beginning of this series, of the
three chief elements of fertility, two, potash and posphotic acid, are found in the rocks of the earth, while
the third, nitrogen, is found in large quantities only the third, nitrogen, is found in large quantities only
in the decayed vegetable matter or humus of the soil. When potash and phosphoric acid are removed, more is supplied by the gradual breaking up of the small parti-
cles of rock in the soil, a process greatly aided ha clos of rock in tho soil, a process greatly aided by the
ordinary operations of tillage. When the supply or
nitrogen if erhested nitrogen is exhausted, as it is by the growth of cereal
crops, no such source of supply is available.


All Fours 145 C. S. B., 459 A. S. B.

 only one great source, the air, four-fifths of which is threshed in the field. This is, unhappily, still followed
the gas nitrogen. But this source is of no use to most in certain parts of plants. There is only one class of agricultural plants say that it is a senseless waste, and the farmer who
which can use this source, and from the air can obtain the supplies of nitrogen necessary to its growth, and practices it knows nothing of his business. leave in the soil, in its decaying roots and leaves, a
supply for other plants. This class is the legumes, and it is this characteristic, the ability to draw on the
free nitrogen of the air that gives great importance, and makes it an absolute necessity in all rotations on ordinary soils. The legumes are the only agricultural plants which can feed from the air, in the sense of obtaining the ordinary elements of the element nitrogen, but since this element is the one in which soils are most likely to fall short, their power
in this regard becomes most important, affording a cheap and practical method for maintaining and in-
creasing the fertility of the soil in this regard creasing the fertility of the soil ir l this regard. tidally all of their nitrogen from the air. This is stored up in the crop that we reap, and in the stems
and roots which are left in the ground. With clover, particularly, this last source of soil fertility is very moved in the crop being left in the soil in the crop
residue, the roots and stems left after the crop is removed. In the case of peas, this source is not so the way in which wheat thrives on a pea-stubble. But,
besides this source of direct gain to the soil, the nitrogen contained in the crops removed, being fed on the

farm very largely, and the resulting manure returned to
the land, contributes very largely to the fertility of he land, contributes very largely to the fertility of
the land. Any farmer who made a practice of buying and feeding large quantities of clover hay, and apply-
ing the manure thus obtained to his land, would exing the manure thus obtained to his land, would ex-
pact, and would get, a very great result in increased fertility. Any farmer, in the saline manner, growing
and feeding large quantities of clover hay, may expect just as sure results. The nitrogen contained in the clover hay grown on the farm is just as much a gain to the fertility of the farm as $1 t$ would be were the
hay obtained from an outside source, and, since nitrogen is the element of fertility most needed, the total gain in fertility will very nearly equal that obtained by true of clover is true in quantity of hay. What is legumes. In the roots and stems left in the soil, and in the manure obtained from feeding these crops, we way in best and cheapest source of nitrogen, the only creasing the soil's fertility . One other point is worthy of note in regard to the
legumes. They are very heavy feeders on phosphoric acid and potash, particularly the letters, which of course
they obtain they obtain from the soil, not from the air. $\begin{aligned} & \text { Hence, } \\ & \text { while they leave the land richer in nitrogen, they leave }\end{aligned}$ it poorer in its mineral constituents. This, however is a natter of small moment if these crops are fed, as they should be, on the farm. These clements are not
subject to loss in the treat subject to loss in the treatment of manure, and proc-
tidally all of them are returned to the farm in this tidally all of them are returned to the farm in this
way. Where, however, these crops are sold off the arm, the loss of potash and phosphoric acid is very
great, and may largely of set great, and may largely offset the gain obtained by
growing the crop. Last winter the writer was
farm where farm where the cattle, were largely fed on a mixture of led on a mixture of
cut straw, pulped
roots and chopped grain, while large quantities of clover
quay were sold off the farm. This was ex-
ceedingly bad proc-
lice. Not only was food best of cattle really less than it was worth, but in it
large quantities oof
fertility which should ha $v$ e been retained
on the farm were removed. In this ing under of the ain in nitrogen to potash and mhosphotic acid in the
ha a sold probably
balanced or out$\begin{array}{lll}\text { balanced } \\ \text { weighed } \\ \text { or } \\ \text { or } \\ \text { er } & \text { out } \\ \text { gain }\end{array}$ It should be remex
heed that the le le
gumes are crops t cums are crops
be fed, not sold. W may sell the grain peas or beans, if the
price is fight, but
the straw of these crops and of clover hay should never at
ordinary prices be
allowed to leave how ed $\underset{\mathrm{tarm}}{\mathrm{to}}$. leave
 ace is that of
burning stacks of pea ness. In the rotation, the legumes are the best means of preparing for the cereals. They leave the land rich nitrogen, which the cereals particularly need, and the great amount of potash removed is not an injury to available potash may be a benefit. Large quantities of at the expense of grain. Where cereals follow of straw this danger is avoided. The good supply ing in the soil produces grain, while the scarcity of potash crop is obtained, much less likely to lodge than one with a greater amount of straw. In the rotation, the legumes are necessity in order to obtain a supply nitrogen to increase the general fertility of the farm while they form the best possible preparation for the

An All-round Farm Journal. We appreciate your valuable paper very much, and ligation today best all-round farm journals in pub Durham Co., Ont.

THE FARMERS ADVOCATE.

## Hungarian Grass.

Hungarian grass is a warm-weather crop. Sixty
Hays will usually see it seeded, grown and harvested, provided there be rains to start it quickly. It can easily be forlowed by winter wheal, if got in say two
weeks after corn planting, but never sow until the
ground becomes. warm. On good rich land three large round becomes warm. On good rich land three large
loads to the acre can be grown, and it makes good twice as valuable as cornstalks. A ton more than hay contains about 90 pounds of protein, timothy 58 , and corn stover 34 pounds, and protein is the main nutrient in feed.
The ground should be plowed early, and worked mellow, firm seed-bed. Sow three pecks to the acre and sow evenly, for Hungarian grass makes a heavy thick growth on good soil. Cover with a light har lorming. Clay lands might better be rolled after the lorming. ©ay land
plants are two or three inches high, principally make good mowing.
To make good, sale hay, cut as soon as it is fully
headed out, while in bloom before the seeds have filledt. ou can hoo blosom best in the early dinie then the dew is on. It will not bleach and damag, eame time to cure. Use a tedder if the crop is ver heavy, and cure in much the same way as clover, thoug $s$ the corn crop. It can ush is over, needs no cultivation, is easier cut and quicker cured, needs no husking and shredding, and can be put into less space in the barn. More than
that, it can be followed by winter grain, and no danger of early frosts is encountered, as is the case with corn in some northera districts.

## Silo Filling

I would like to offer a few hints as to tilling
I have tried several experiments, and will give you a sketch of the best one ont, I got
ive yards of sailccloth, fifty-six inches wide ran a flat seam, double stitched, up the side, then cut it in two, and folded up the ends about three
inches. We then worked lace holes about three inches. We then worked lace holes about three
inches apart to match to lace together. When ommencing to fill the silo, attach a cord to th he silage just one man in tho sho can ilsth an he heavy all goes together, and there are no corn-cobs fying all over. This leaves it nice and
clean to work in the silo. When it fills up about half way, take off the lower length and attach cord to the upper one, which is tacked to the hopper. I made my hopper of half-tich lumber wo feet six inches and two feet in depth, and tapering down to eighteen inches by ten inches wide at the bottom. Pull the bag or sail-cloth up over the bottom, and tack fast. The back and ends should
be about twenty or twenty-four inches figher than be about we the for the carrier nes higher than the back and ends prevent any blowing over in
the silo. My experience is that if the light and heavy parts are equaliy distributed it settles even
 be placed between them, or it can be strung up to a couple of collar beams in the barn.
Welland Co., Ont.

Potatoes Should be Sprayed Now.
$\qquad$ potateos every year from bight and rot, which migh
bo soved by gpraying the vinee with Bordeaux mixture
The reants obtained at the Central Experimentol and elsewhere have proved over and over again how
well it pays to spray, but comparatively few farmers spray their potatoes for the prevention of rot even yet At Ottawa, one variety that was sprayed yielded at
the rate of 201 bushels more per acre than the same variety unsprayed, and taking the average of 11 vari-
 gallons water. If the potato beetle is still active, 8
 about the middle of July; the second from ten days to $t$ wo weeks later; the third and fourth at about the same
intervals, the object being to keep the vines covered intervals, the object being to keep the vines covered
with the mixture until September. It has been proven by experiment that over half
the crop of potatoes will be produced after August 22 nd If the vines are kept green, and this is what spraying will do as, at the experimental farmo the vines haye eft ungprayed. The cost of four sprayings is about 87.00.

Fuller particulars will be furnished on application w. T. Macoun, $\underset{\substack{\text { MACOUN, } \\ \text { Horttculturist } \\ \text { Canada }}}{\text {. }}$

Summer Forage Crops.
The
nt this must season of the yert, and some sort of green flood given arst during late summer and full monthld be order to recuperate, and entire or partial soilling sorted to. Oftentimes on swall farms, where a rela-
tively large number of cattle are kept, the pasture has to be supplemented by forag" crops all summer through. A desirable spring fodder is obtained by sowing wheat wheat and one bushel of vetches. Cut just before the wheat begins to head. Wheat alone makes a good
green fred. Following the wheat, have clover coming on. Clover when cut in full blomm contains fully much protein as pasture herbage.
tively larger proportion to the carbohydrates in pastul grasses than in cereal fodders, is what makes a good young cereals, wheat, rye, oats, corn and millet, are just as rich in protein when young, but as they grow taller
the carbohydrates increase in, proportion, and a leguthe carbohydrates increase in proportion, and a legu-
minous plant, such as vetches, peas, beans or clover, is Minous plant, such as vetches, peas, beanis
needed in addititon to ballance the ration
Canada peas and oats are the best
the clover. Sow one and a half bushels oach of peas end of April, middle of May and frst of June to first sowing will be ready about the frrst of July. Oatg peas. Millet or barnyard grass makes a good foed
during August during August, but it will not stand dry weather. Corn of August and September comes in for the later half corn, in proportion of 10 quarts of corn to 7 of beans,
are said to prove a good mixture Hungarian sown in July will be ready to cut in September. Ber ley and peas furnish good green lodider for October Corn silage is sometimes used instead of green forage,
where 1 long drought are trequent, but the acidity 19 objectiongble. Suminer foraje crops require rich roill
and lota of manure. They cannot be grown with suc. and lots of manure. They cannot be grown with suc.
cess on poor lant.

## Straw or Manure cs a Fertilizer

as to whether the same fed to cattle, and the product o the soil, is the better for manure. In considering a question of this kind, we must remember the dual effect of manure upon soils, mechanical condition of the soil. The value the straw in this case will depend upon the amounts of three elements which it is capable of supplying to the soil, namely, nitrogen, phosphoric amounts are not very large, and are not available until the straw decomposes, but the straw itself that is, the fiber, has a most beneficient effect upit more friable and more of the soil, making moisture. The value of the manure from cattle fed upon straw may be quite variable, depending upon the
class of cattle to which it is fed. If fed to matured stock not giving milk, practically all the turned in the liquid and solid excrement, for the lements that go to maintain heat and force ar of no value as fertilizers, while those that go to amount of fertilizing ingredients voided in the liquid excrement. If fed to young growing stock
or cows giving milk, the three fertilizing elements or cows giving milk, the three fertilizing elements
vill be utilized for the production of bone, flesh milk, etc., so that comparatively little plant food original pile of straw will be very much reduced So that it cannot so beneficially effect so large a plot of land; hence, there may be a loss of
plant food in feeding straw to voung stock or milch cows. But straw is seldom fed to such stock alone, although there is no doubt but what t would sustain life. Straw is usually fed in and it is probable that in most cases the manure from stock fed on a mixed diet is much richer in plant-food than an equal weight of straw, and to such an extent that it would more than upon the mechanical condition ef effect of straw To male a profitable disposition of straw one must further consider the processes in the animal
economy. Although the food constituents of economy. Although the food constituents of
straw may be comparatively inconsiderable, yet stock, and especially cattle, require a certain mands of their digestive organs, even though they may previously have received enough food in so the feeding of straw, if hay or ensilage is not
plentiful, is imperative. On the other hand, it must not be forgotten that all the nitrogen, a
valuable fertilizer, voided by animals is found in the liquid excrement, and if this element of plant
straw or other vegetable substance, should be To give our correspondent a specific reply, we would say that rather than put straw upon the land, we would use a reasonable amount of litter,
and then try to utilize the rest in feeding with other foods, for straw, being capable of absorbinir either as litter or when fed with richer ioods, a certain amount of fertilizing material, is, under average conditions, improved as a fertili,
ing used in either of the above methods.

## Farm Work "Lightsome."

Prof. Waugh, of the College of Agriculture, of Mas-
sachusetts, claims that farm labor is the least onous of any in the world. ". Compare a monothe, "who in a day millks the cows, splits the wood, a drain, sells three pigs, mixes a complicated chemical ailing mare, prunes his plum trees, and does twenty other odd jobs, with the man who sits all day on stool and pastes red labels on packages of breakfast

## DAIRY.

What E. O. D. A. Instructors Would Do.
Address dellvered by G. G. Publow, at E. O. D. A. men's Association wants me to tell yon Daryam going to do thls year. We hope to carry out the work this year the same as last, syndi-
cating factories throughout Ontario. You will be offered, I expect, the same service for the same money. That is, you will get the services of the instructor for the sum of $\$ 15$. His duty will be first to vist your factory to see that the chesemaker is serving you well; that he is making the most cheese and best cheese out that, the instructor will be expected to ins intruct the chesemaker to do better. If there is anything wrong with the milk, it will be the duty of the instructor to ind out where it is, and what is the cause; and if the
patron who ts to blame refuses to rectily the will be the duty of the instructor to call a meating of the patrons and point out the diffculty.
At the present time the instructors are handicapped because they have no power to enforce any conditions.
I think they should have at least the power of tion of Henlth Inspectors. When they go to a chese fach Cory, and find an unsanitary state of affairs, they should wish the tarmers of the cuntry would wake up, and not let those poor ta-teries exist. They are seeding
this whole country with unllpeirable bacteria is causing trouble to everyone elise in the business. Wood should see that we supply the chessemaker with Eood milk, and then insist upon his having the factory
in proper conditlon in proper condition, and upon his being competent
make the best product in the world. No country in the world has a better reputation for not say that we cannot do better. Some farmers think
that the inspectors are moing out to and to try and do them harm. ${ }^{\text {ant in }}$ is not the case They are sent out to do you go I , and to help you on The Inspectors, as a mole mone out of the business. in some cases they do not hat the kest treated: but have found difficulty in getuln the best men to the position of inspector. An instructor should be able to handle the people as well as the cheesemaker. leand-floor up. When we send an instructor to tho please listen to him kindly. Do not tell him to get hilk setting. Do not say, "I have always had that there, and in that place, and 1 am going to leave th vill." We cannot do without your sometody else ou your co-operation, and we want you to see that You should go
down to these cheese factories and look lower them. The are practically yours. If the cheesemaker is not clear get out. If the cheesemaker tells you that your mill does not smell very well, and if he has a dirty and bad smelling ractory, you can say to him, "Well, your It you could increase the very well.
per cent. you would be doing a big thing for cheese ten ndustry. I have had farmers ask me to pick out good cheese for them because they would not eat cheese the buyer to glve you the highest price con youese expect will not eat your own ? helleve most of us will be able to accompllsh a good deal this year if we will only I expect the same thing will be done this year as last whth regard to grouping the factorles, and I hope
that the factorles that wish to come in will notify us in good tlme, so as to glve us an opportunity to select food men. I do not think there is any factory in thil ountry that can allord to do without an instructor
is a good deal to be accomplished. The instructors
stimulate them to do better work If anything spectal was accomplished last year, it
was in the cleaning up of the factories. More factories was in the cleaning up of the factories. More factories
were cleaned up than have been for fifteen years, and were cleaned up than have been for fifteen years, and
the quality of the cheese made has been better than
ever before. There is more loss occurs to ever before. There is more loss occurs to the farmers
of this country owing to the condition in which the milk comes to the factory than by the adulteration of
the milk. No person gets any benefit by sending bad milk, and a great many people are injured. In one factory last summer we were getting milk in
bad condition. We divided the milk, and put the best milk in one vat, and the poor milk in another, and the milk that was in a poor condition tosted $1-10$ more in milk to make a pound of cheese, and four hours longer in manufacturing it, and we did not have as good cheese. Look at the worry and the loss to the patrons
of that factory. (Applause.) of that factory. (Applause.) If you want improve-
ment along these lines, qend us your assistance and we will do our best to help improve the quality of this most important product.

## Electrical Millking.

 U. S. Consul Warner, writing from Gera, Ger-many, describes a method of milking cows by milking cows by electricity, rubber hoods are for tached to the udders of the cows. These hoods are connected with a vessel for receiving the milk by means of a rubber tube, from which the air is
exhausted by means of the electrical device. It is claimed that the suction thus secured resembles very closely the sucking of a calf, and that for this reason, the cow "lets down "' her milk more freely than when milked by hand. It is also claimed that absolute cleanliness of the milk may
be secured when this method of milking is employed.

## Waxed Cheese

The Victorian Journal of Agriculture publishes the results of some experiments with cheese kept under ordihary conditions in a Melbourne warehouse, with the
view of showing the effects of coating cheese with paraffin wax, as practiced to some extent in Canada. Four small cheese, weighing $46 \ddagger$ lbs., were coated with paraffin wax on October 8th, 1903 , and four duplicates temperature of the store for 14 tweeks was 58 degrees temperature of the store for 144 weeks was 58 degrees, degrees. On January 19th, 1904, the cheese coated with wax weighed 444 lbs., showing a loss of $1 \ddagger$ lbs., 3.22 per cent., whilst the plain duplicates weighed 43vings, and lost $2 \frac{1}{4}$ lbs., or 5.91 per cent., showing a
saving, of 2.69 per cent. in weight in favor of the parsaving, of 2.69 per cent. in weight in favor of the par-
affin coating. The cheese coated with wax were adjudged by exp

## APIARY

## Crop Reports.

In reply to enquiring post cards, correspondent in many of the counties have been heard from. ceived so promptly. It is the extension of this spirit of mutual help which will make our Apiary Department of increased value. Every beekeeprer port as soon as possible. (Address Norley HONEY PLANTS Our main sources of white honey are white and
alsike clover. Basswood, once an important Asike clover. Basswood, once an important ut much figure except in a few favored places. pects of a light crop. Those from the north are more hopeful. In any case the supply is bound
to be light owing to the fact that probably 70 per cent of the colonies were killed by cold Those remaining were, as a rule, in poor condi tion for the honey-ffow. Clover was about two
weeks late coming in bloom, and the weather has weeks late coming in bloom, and the
Kent, Elgin, Norfolk, Haldimand, Brant, WentKent, Elgin, Norfolk, Haldimand, Brant, Went-
orth and Perth report short crops of clover Basswood promises good, but is always uncerain, heing so dependent on the weather. Our Went-
worth correspondent suggests that if we had a strain of bees that could make honev out of rain en could have a large crop. Wateroo arospects r basswood.
The same story of excessive rain, with cold inghts and mornings, comes aniformyry. Peel, York, Ontario, and Durham. This has both good and bad effects. It checks the
swarming impulse, so that little trouble comes warming impulse, so that little trouble come colds back the clover, keeping the bloom fresh
gather honey on on the other hand, bees cannot comes on as usual to cut down the fields of alsike counties. They are hopeful reports from northern failure last year, and severe winter losses, they
will be able to appreciate

## GARDEN AND ORCHARD.

## Wood Ashes and Lime as Fertilizers.

W. M., Elgin Co., Ont., writes . .n three thousand celery plants, and would like to know if it would be of benefit to apply wood ashes about the roots. The soil is a sandy loam. Also, would lime applied about cabbage roots be There
There are so many things to be considered in the application of special fertilivers that one must know something of the principles involved in quire nitrogen work intelligently. All crops re quire nicrogen, phosphoric acid, and potash, but these. Some crops require more make use of more potash. The legumes, for nitrogen, others peas, beans and clover, draw freely upon the nitrogen of the atmosphere, and, as a rule, are most benefited by applications of potash; while crops not make celery, lettuce, and other leaf crops, canand are usually benefited by applications of nitrogenous fertilizers. Another thing to be considered

## Selling the Apple Crop.

 fruit- -acrision ors or more than ordinary interest ta High Court of Justice, composed of Chief Justice
Sir
William
R.
Meredith,
and Mahon and Teetzel. The case in dispute was that of the appeal of Culp, an apple dealer oo Lincoln County, from the judgment of the county
court of Lincoln, which awarrided an anole-rower court of Lincoln, which awarded an apple-grower
named Lee 8200 damages for the loss of his apple amed Lee s200 damages for the loss of his apple
 dence estabished the following facts
Plaintiff agreed to sell and the defendant to
buy all the apples in plaintirifs orchard of frst and second quality the andes then being on the at 81 per buarrel tor firtsts, and 75 c. per ber barrel or the seconds platintir to retain the culls, plain-
tif to
tick the tift to piek the apples and place them in pilesin
the orthard : defendant to furnish barrels and
 apples, and placeed them in 64 pilies in in the o orcharard, and notified defendant that they were ready for
packing. This was alout 1st November 1903 No specific time was agreed upon when the apples should be packed or when payment should be made. Defendant was disappointed in securing
barrels, and packed only twelve barrels of the barrels, and packed only twelve barrels of the apples. remained on the ground, and were frozen and destroyed late in November. There was conflict of evidence as to whether anything was said, when the bargain was made, about protecting the ap-
ples against frost, and the County Judge found ples against frost, and the County Judge found
as a fact that that matter was not imported into the bargain as a term thereof.
also found that dealso found that de-
fendant at no time said anything to
plaintiff about lack of barrels, nor did he notity apales were destroyed that
he would not take he would not take
them, or that plainthem, or that plain-
tiff might sell them to someone else; but on 17 th November
defendant sent h is defendant sent $h$ is
boo'k eeper to plainboo'k eeper to plain-
tiff to ask plaintiff to cover the apples
thicker, and plaintiff said he had not the
straw, or it would straw, or at would
take too much. On
24 th November the sa me , bookk eeper
asted plaintiff to cet as'ed plaintiff to get
men and put the apples in the cellar, but this was not
done. The County done. The County
Judge held that the apples were selected
and appropriated by plaintiff, and approv-
Jersey bull. Born April 2, 1910. Winner of first prize, Royal Show, 1904.
Owned by Mrs. McIntosh, Romford.
is the nature of the soil, as different soils differ and that the property in the unpacked apples very much in the soin, as diferent soils differ they contain, and the condition in which the plant food is held in the soil. For this reason. there is no better way of ascertaining what is re quired in the way of fertilizers than for the growhis make a little experiment, and find out what his soil is most in need of. On general principles you would be quite safe in applying wood ashes for celery, or most any other crop, particularly lacking in potash, as wood ashes are partic less lacking in potash, as wood ashes are particularly
rich in potash, and contain also about one cent. of phosphoric acid. Lime is not a neces sary element of plant food, but is useful to liber ate plant food in the soil and usually pives goo to decompose and make available as plant help to decompose and make available as plant lood grown upon the soil immediately after to take up the plant food; otherwise this is liable to be lost in drainage water, in which case lime would
deplete rather than increase the fertility of the soil. Your best plan would be to try portions of a row with and without lime, and with and without wood ashes, and note the results. The
information so gained would be far more val:iable than anyone could give you without knowing the exact conditions.

## "Nothing too Good for the Irish.

 herefore the " Farmer's good for the Irish Algoma, Ont. WILL H. BURROWS.and that the property in the unpacked apples
passed to defendant, with all the risks of destrucpassed to defencant, welivery. The High Court
tion before actual deld
held that thic held that this conclusion was not warranted. It
did not appear by the evidence that anything did not appear by the evidence that anything
was said as to who should select the apples and was said as to who should select the aples
grade them into firsts, seconds and culls, but it must be inferred, from all the circumstances, that
defendant and his packers were to do this with defendant and his packers were to do this with
the co-operation or concurrence at least of plainthe co-operation or concurrence at least of plain-
tiff, and it must also be assumed that payment tiff, and it must also be assumed that payment
was to be made on delivery or the apples when packed. There were two circumstances or conditions in the agreement between the parties which combined to defeat plaintiff's contention that the
property in the apples passed to defendant, the property in the apples passed to defendant, the
fact that the sale was a part only of a bulk quantity, and the fact that to determine the quantity, quality and total price, defendant was to separate from the bulk and classily the goods and in this work plaintiff was to co-operate or to concur, and had the right to insist upon the selections being made in accordance with the
recognized standards of quality can be a bargain and sale, as distinguished from an executory agreement, the parties must be agreed as to the specific goods on which the contract is to attach, and it makes no difference that the goods are so far ascertained that the parties
have agreed that they shall be taken from some specified larger stock. The law gives effect to the intention of the parties in determining of an unequivocal expression of intention by both parties where the sale is of an unascertained part of a bulk which has to be separated and classiffed
by one party, with the concurrence or co-operation
of the other. After a careful weighing of the evidence, the
Court allowed the appeal and dismissed the action, the grower thus losing the value of his entire
orchard crop. The decision is doubtless a learned interpretation of the law in such cases, and the point elucidated should be borne in mind by parties when selling the orchard crop in the future. In cases where there is a posslbility of the pur-
chaser being prevented from taking possession of goods, from whatever cause a written contract should be drawn up, which would ensure the ven-

## Cultivation and Cover Crops

 J. F. M. wishes some informationtivation and cover crops in orchards tivation and cover crops in orchards.
The old plan of leaving an orchard in sod is fast giving way to the more improved method of clean cultivation throughout the early part of the season. The chief reason for this is that thorough surface cultivation during the fore part of
the season helps to conserve soil moisture, so that it can be made use of in the growth of the tree. Most of our fruit trees make their growth before orchard previous to that time robs the soil moisture which should go to the growth of the tree. The object of a cover crop sown after the
last cultivation, about the middle of July, is to take up soil moisture and plant food after the protect the roots of the tree from severe freezing during the winter, and to return a large amount of plant food to the soil when the crop is plowed
under in the spring. If the ground is left with out a cover crop during the latter part of the season, whatever soluble plant food is left in the soil after the trees have ceased their growth is liable to be washed out by fall rains, and in this
way there may be considerable loss of fertility. A cover crop of any kind growing in July takes up this soluble plant food, and holds it until it is returned to the soil by decomposition of the cover crop the following spring. If one desires
to good reading on this subject, let him get Prof. Bailey's "Principles
$\$ 1.25$, throught this office.

## Sowing Cherry Pits Cultivation.

## 1. Should cherry pits be frozen in winter in rder to induce them to germinate ?

and beans, if cultivation injurious to potatues blossom?
Cherry pits must be cracked open, either ty hand or by frost, before they will germinate. The
best plan is to allow the frost to do the cracking. Care must be taken that the
doeds do not become dry or brittle or their vitalseeds do not become dry or brittle or their vital-
ity will be destroyed. soon as ripe, or, if kept till spring, should be mixed with soil, and be exposed to frost during the winter, and then be screened out and planted as early as possible in the spring.
rop, part from the destruction of weeling a hoed conserve soil moisture by means of the soil mulch left after cultivation. In the case of a potato
cop, usually by the time the plants are in bloom the tops are large enough to shade the ground and prevent evaporation of moisture from the surace. If at the time of blooming the tops are there can be no objection to shallow cultivation the cultivation has been neglected for some tim
that roots are formed near the surface, even so that roots are formed near the surface, eve
shallow cultivation will destroy some of these Cultivation should be no deeper than necessary
to leave an inch or two of loose soll on the surface. can see no reason why careful shallow cill I can see no reason why careful shallow cul-
tivation would in any way injure beans, either
before or after blooming. In what way would before or after blooming.
you expect injury from it? PROF. H. L. HUTT.
O. A. C., Guelph.

## Changes in Fruit Division

Mr. W. A. McKinnon has resigned his posiion Department of Agriculture at Ottawa, to accept the office of Commercial Agent of the Department of Trade and Commerce at Bristol, England, where he will reside. It is understood that the
vacancy in the Fruit Division will be filled by the promotion of Mr. Alex. McNeill, Chief Inspector, to the head of the Division. Both will be recognized as excellent appointments. Mr. McKinnon, with his wide knowledge of the products of Can-
ada, and his former acquaintance with the British markets from personal contact, will be able to do a great deal in promoting the sale of these
products in one of the largest consuming markets of Great Britaln: while Mr. McNeill, hy his wide knowlodge of the fruit industry of Canada, and
his enthusirym in the work, will be able to do

The Improved California Wash.

## n. the lime, sulphur and sat solution, known

 as the California wash, we have no doubt one of the best remedies for the has the trouble and time required to prepare it for application. It was necessary to hoil the sulphur and lime together for two hours, in order to get the proper combination of the lime and sulphur. This is now likely to be avoided, and the union of the lime and sulphur effected by the use of 1 ve. It was also required to be applied while hol, or, at least, while still warm. Apparently, this will not be necessary with the improved mixture. There is a diversity of opinion as to the efficacy many who have used it going 10 show that as good results were obtained without the salt as with it. But with the lye, sulphur and lime com-bination we will have, in the oplnion of the writer one the suraying mixtures ove devised, not only for the destruction of scale insects, but for the general health of the trees, and It will have great effect as a fungicide as well.
Orchardists have been in the habit of using lye as a wash for trees for removing the oyster-shell bark louse, preventing borers, and toning up the bark of the tree. Lime and sulphur are both
fungicides, and when we have a combination of fungicides, and when we have a combina
the three we will have an ideal mixture
These mixtures are being tested this year in
Southern Ontario, where the San Jose scale is prevalent, and some definite results will be reported at the end of the season. This mixture would
be the very best thing to use early in spring while the trees are still dormant, for the first spraying. It is not intended to be used on the foliage, but it could be followed up with the Bordeaux mix-
ture just before the blossoms open, and acain just after the blossoms fall. This course of tieatment should clear out the oyster-shell bark louse and fungus spores, and bring the trees into the very best state of health. Fortunately, the San Jose
scale has not spread over the country, the infestascale has not spread over the country, the infesta-
tion being limited as yet, but the oyster-shell bark louse is everywhere, and is doing more damage to our orchards than most people are aware of. It
is easily removed from the trunks of trees by the is easily removed from the trunks of and
use of an alkaline wash, but it spreads out to the
small branches and twigs, where it can only he reached by spraying.
The results obtained by the use of this and other mixtures will, no doubt, be thoroughly dis-
cussed at the next meeting of the Fruit-growers' Association, and all who are interested in the growing of orchard fruits should make it a point to attend. If they cannot do so, they should secure a copy of the report. The surest way to
do this is to send the secretary a dollar, and be come a member. For everyone at all interested garden, it is a foodly to the extent of a small The use of power paying investment. whereby. rapid and effective work can be done, and the improved
California wash, will no doubt be a great boon California wash, will no do
to progressive fruit-growers.

The Duchess of Oldenburg.
In the list of early varieties of apples, this stands first. It is the best commercial early apple we have. In point of productiveness it dis-
tances every other variety. It is as hardy as a Siberian evab. Where it will not grow and thrive it is useless to attempt to grow apples. As a cooking apple, it has few equals, and no superiors.
It is clean-skinned, bright and handsome in color. and does not scab. For such an immense bearer it is remarkably uniform in size. The one great ripens while the weather is still warm, and often quite hot. Its season is short, and it must be cities, or to the West and n
not grown. The near home market is always
overstocked with it. The 13 ritish markets will
nel take large quantities of them if they can be landculties in the way of doing that yet. The marketing of the Duchess means quick and prompt handling, the use of ice and cold storage, and re
frigerator cars. The latter are heing brought ul to a fair state of efficiency, but the cold storagy that degree of exactness and uniformity that is re quired in order to ensure the safe carriage of
perishable goods. Many, however, are delivering such perishable stuff as Duchess apples in firstmay be will be removed and the business of transexact science. It seems to take ton lone in some cases to get the temperature down to the propor
point. Then, after that, it sepms to get too low,
The temperature should be rot down to nroper point as soon as the cargo is placed, and
should have an upward curve toward the end of
to be worked out by those having the problem in hand.
But there are some matters of detail claiming the attention of the grower and shipper, which, if
not attended to, the fruit will not carry well, no matter how perfect the system of cold storage may be. First, there is the picking of the fruit. There is just a proper ume pick a Duchess apple. not ripe. It must be handled with care and here is a point probably where more damage curs than any other. Of all commercial apples the Duchess should recelve the most careful han handle eggs. The barrel is too large a package they should be put in boxes. It takes a long time to reduce the temperature in the center of a barrel in the best cold storage. It takes too
long to reacn it. It takes, probably, two days to get the temperature down to the proper point in the center of a fairly tight barrel, so that the use of the box is clearly indicated for the shipment of Duchess. As we have now a standard
box for apples, $10 \times 11 \times 20$ inches, inside measurement we know what is meant when weasof the apple box. As the weather is most likely oo be warm when the Duchess is packed, one great consideration is to have some cool place to
put them as soon as picked: The sooner the cooling process is begun, the better, but is not best to be too rapid at first, but it is important and atmosphere out of them before starting sun their journey. The question of whether the Duchess will pay is a question of marketa handring and transport. So far as the individual of the qualities already is concerned, on account et were assured, eien if sold at a comparatively low price, it would be one of the most profitable ommercial varieties on the whole list. Whether it is alrisably to plant it extensively, or whether be definitely answered at present, but with the development of the West, and the improved facilities for sending them to British markets, they
should not go begging for a market in the future.

## POULTRY

Fattening Chickens for Market.
In order to have the chickens plump and well
fitted for the market when they are at the most profitable age, they should be placed in the fattenis not meant by this that chickens cannot be fatted profitably when they are more than three months old. Suitable market chickens of any chickens for fattening, those should be fatted that have a good constitution, denoted by short appearance, and that are of medium size, and are of a broad, square shape, with short, straight Equipment for Fattening.-ln fattening chick ens for market, it is advisable to use the fatten ing. crates recommended by the Poultry Division Ottawa. If only a small number of chickens are can be adapted for the purpose. The open top
of the box should become the bottom of the crate, and one side should be removed for the front and alshould be nailed up and down the front The laths are placed at the same distance hor as recommended in the construction of the fatten Ing crate. A board should be loosened in the top
of the crate to remove the chickens from feed-trough arranged in front. A shaping-board Fattening Roxes are also required. ration is one that is palatable, and that will pro ground, or the coarser hulls sifted out, should form the basis of all the grain mixtures. Ground flesh of inferior quality ; ground peas implatad pats, ground buckwheat is not desirable. Ground grade flour are the most suitable meals for fatten-
${ }^{\text {Statisfactory }}$ Meal Mixtures.
(1) Grounds oats (coarser hulls removed).
(2) Siftings from rolled oats (no hulling dust should be included). buckwheat, one part ground corn.
(4) Equal parts ground oats, ground barley nd ground buckwheat. grade flour, one part wheat bran. The ground meal should be mixed to a thin milk. On the average, ten pounds of meal re quire from fifteen to seventeen pounds of sour
skim milk. A small quantity of salt should be added to the mash.
When sufficient skim milk or buttermilk canno

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animal or raw vegetable food should be added The chickens shou crates for a period of twenty-four days, more or less, depending on the conditions of the bird. Be-
fore they are placed in the crates, they should be fore they are placed in the crates, they should to
well dusted with sulphur to kill the lice. They whould be again sulphured three days before they are killed.
The First Week.-It is necessary to feed the
chickens lightly the first week they chickens lightly the first week they are in the
crates. A small quantity of the fattening food crates. be spread along the troughs, and as this is eaten more food is added, but not as much as the chickens would consume. The food should be
given three times a day, and, after feeding, the given three times a day, and, after feeding, the
troughs should be cleaned and turned over. 'The chickens should receive fresh water twice a "lay
and grit two or three times a week while in the crates.
The Second Week. - 'The chíckens should lie Livell twice a day as much food as they will eat. Hal! cleaned and turned over this period, one pound of the commencement this period, one pound
The quantity of tallow should lee gradually in creased, so that at the latter part of the period che pound of tald receive the fattening fornl 1 wic a day.

How to Prepare a Fowl for the Oven.
fter the feathers have been removed, lay the bird upon Atter back upon the table, with the feet away from the operator, and make a small cut with each leg; trim the
skin immediately above the hock of each pinions, cutting away the skin on the outside, as this is always the part to burn in cooking; then lay the operator, and make a cut in the skin of the neck, about three inches from the back, and draw the skin backwards until the backbone is seen, and a white mark will off the head and neck; now turn the bird round, back on the table, and press the thumb firmly downwards into the orifice between the two sides of the merry-
thought, and cut out the crop. Now insert the finger hought, and cut out the crop. Now insert the breast-
within the carcass of the bird under the bremer one, loosening all the internal organs from the front turn the fowl round and make a transverse cut just
below the "parson's nose," and insert the finger and cut off the tail; next insert the two middle fingers, and
hook them over the gizzard and gently draw, when, if the operation has been rightly performed, all the insi
will come out at the same time.-[1rish Exchange.

Hot-weather Notes on Chicken Rearing A few hints for the young stock now that the dust bath becoming hot and dry. Spray the dust they stir up is almost as injurious to their lungs as it is to the lice. Many people think that lice kill them in hot, dry weather, but, in reallt, they breathe in much dust it frequently kills quite a number. Also, it is thether from their diet there insects than is good for them at this time of year. Feed as much dry food as possible, and if milk is they should have only clean, clear water during the "dog days." Save all your scraps of bread and toast them black. Put a good-sized piece into every drinking cup. It prevents thirst, and is more nourishing than plain water. Never soak
bread in hot milk or water, nor boil it with the scraps. It is the cause of a list of ills. Kee was selling laying pullets in June. Again, do not be afraid to use a good poultry spice with the food, and use it in moderation. Because a pinch of it among a dozen will make them lay and keep
healthy, it does not follow that a tablespoonful will induce any hen to lay more than an egg a day. Above all, don't tire of your flock because
the weather is "so hot." A chick cannot be the weather is "so hot." A chick cannot b
neglected for one day of its life.
(MRS.) OCTAVIUS ALLEN.

Several readers who have lately sent in questions to be answered in the Farmer's Advocate forgot to comply requires the full name and $\mathbb{P}$. O. address to be given in every instance. We can pay no attention to anonymous communications or enquiries. Please read and observe the rules of the "Questions and Answers" Department.

THE FARMERS ADVOCATE


Anti-Christian riots have b,roken out in a district 8 :
Cholera has brokn out in Persia, and grave fears
are entertained that it may spread to European Russia

Judge Parker has declared that he will not accep
Democratic nomination for the
s made clear that he stands for the maintenance of
the gold standard.
Two Russian steamers, the St. 1'etersburg and the
Sevastopol, have passed out of the Bhack Sea. and are on their way to Vladivostok, where they will be utilized The Chinese Government has ordered the punishmen of the soldiers who caused the death of Louis Etzel, th
American newspaper correspondent, and has provided that $\$ 25,000$ be paic
who lives in Denver.

A despatch from Butavia, the capital of the Dutch
East Indies, says that the expedition to the norther Last Indies, says that the expedition to the northern
portion of Sumatra has met with several encounters with the rebellious Achinese, of whom over 600 have
been killed. The Dutch losses in all were 46 killed and been killed. The Dutch losses in all were 46 killed and
wounded.

A most sweeping reform, which will end forever the
arbitrary condemnation of political suspects to exile even death, thas been put in force in Russia, by the iss sons suspecter of political crimes shall henceforth bo

Professor Schron, of Naples, after sixteen years
study, has been able to prove that phthisis and tuber Culosis are two entirely distinct diseases. He describes
the microbe of phthisis, which he has succeeded isolating, as being spiral in form, and exceedingly viru lent. His discoveries are looked upon by the medical world as being much more important than those

The British advance on Lhassa has begun. Colone Younghusband has issued a proclamation, announci
that it is the intention of the British Government sccure reparation from the Thibetans for their "overt acts of war," and that any interference with the
progress of the party will meet with severe punishment and result in making the terms demanded more severe.

At a meeting in London, on July 14th, which was the kingdom. Mr. Joseph Chamberlain was elected Pres ident and Lord Lansdowne and Lord Selborne Vice Councits of the newly-reconstructed Liberal-Unionist ing themselves finally as upholders of the Chamberlai policy. A resolution was passed in favor of a com
plete reform of the British fiscal system, approving the Premier's demand for increased powers to deal wit hostile tariffs and ""dumping," and expressing sympathy
with the proposal for preferential arrangements betweer the colonies and the motherland.

The announcement of the death at Clarens, Switzer fand, on July 14th, of Paul Kruger, has again brough the name of " Oom Paul" to every tongue, and with life once full of promise, and not unmarked by courage Kruger was born in 1825 , and in early
life made his name famous by his exploits in battles against the Matabele. He arose steadily in the army until he held the position of Commander-in-Chief, an
was then elected President of the South African Re public. His ambition, however, led to those intrigues against the British in 1880 and 1899, which finally brought about his downfall and exile to Europe in 1900 who died shortly after his south Arrica beside ris wife.

There is a surprising lack of news from the Far East, whence little is reported save the occupation of Kinkow by the Japanese, and the landing of 30,000
Japanese soldiers at Pigeon Bay. The interest thi wean centers in the fact that the Russian voluntee teamships, Smolensk and St. Petersburg, which recent Sea, and searching the ships of neutral nations for contraband of war. It is also reported that a guard ship, the Chernomoretz, carrying ten guns, passed out
of the Black Sea on the 18th of July. The whole circumstance has made a decided sensation in all circles has upon it may hang the question as to whether Russia Developments this action, violated the treaty of Paris

The Hon. Mr. Sifton will open the Dominion Fai Winnipeg, oat 25 .
Active preparations for resuming work are being The Australian Government has abolished the post commandant of the forces.
Another band of Doukhobors has been reported as the march from Minitonas, Man
The Palma Trophy is back at Bisley, and will be ld there until a challenge has been sent in
Some Toronto citizens are agitating for systematic belonging to Mr. Horace Hudson was kinled by lightTwo Boers, representing three hundred families wh contemplate emigrating to Canada, are looking afte he land.
Andrew Carnegle has sent a check for $\$ 1,000$ Midland, Ont.
Lou Scholes, the wiamond Sculls fenley, will not be a competitor at the regatta at St . Mr. John Maclean, B.A., a graduate of Manitoba
University, is the successful Manitoban candidate for he Rhodes scholarship.
A large building containing the stores and records troyed by fre July 11 th Other means of saving the crops of Minnesota from Lhe grasshopper pest having been exhausted,
Legislature has passed a Bill for that purpose.
Keep the roadsides clean by occasional mowings
The weeds that grow on them are not only unsightly, She weeds that grow on them are not only unsightly,
but are a source of contamination to all the farms in the vicinit
In a collision between the steamships Verex and Athenian, near the Isle of Orleans, below Quebec, on
July 12th, the Verex was almost cut in two. She July 12 th, the Verex was almost cut in two. She
was, however, immediately beached, and no hives were lost.
Mn order to induce the attendance of teachers at the Macdonald Institute, Guelph, Ont., a number of scholar-
ships, to the value of $\$ 50$ and $\$ 75$, will be competition to those teachers who take the three months' course, which begins in September has a daughter who has proved so successful as an mplement agent that he has taken her into partnership,
and now writes the name of his firm, "Fred Brown \& Daughter", This is probably the first time on record in which the word " daughter" has appeared in such in which the
" The men whom 1 have seen succeed best in life have always been cheerful and hopeful, men who, went took the changes and chances of their mortal ure like took the changes and chances of their mortal 11re like
men facing rough ánd smooth alike as it came, and so men facing rough and smooth alike as it came, and so
found the truth of the old proverb, that "good times and bad times, and all times pass over."-Chas. Kingsley.
The annual report of the London Cancer Research
fund states that cancer is not, as has been supposed fund states that cancer is not, as has been supposed, a
product of civilization, but that it pervades the whole civilized and uncivilized world, affecting animals and even fishes, as well as human beings. The report tates, moreover, that the prevalence of cancer is not reasing and that it is not infectious.
The trestle work at Red Sucker Creek, fifty miles of earth on July 8th. It was 100 feet high and 1,000 feet long. A freight tratn had just passed over, and a feet long. A freight tratn had just passed over, and a
C.P.R. passenger was due in thirty minutes when the cave-in took place. The timely flagging of the pas-
senger, however, saved what might have been a terrible senger, howev
catastrophe.
The construction of the first section of the C.P.R.'s mmense irrigating undertaking east of Calgary is now this proceeded with. The tract of land irrigated in acres, about 400,000 acres in addition being also fitted thereby for dairying and grazing. The cost will be $\$ 1,300,000$. If the irrigation of this portion proves a success, operations will be carried on on a much larger
The great Trent lift-lock, the largest of its kind in The world, was formally opened by Hon. H. R. Emmor-
son, at Peterboro, Ont., on July 9th. This lock, which was eight years under construction, and cost $\$ \Sigma 00,000$, completes a chain of navigation one hundred and sixty miles long. Its opening was attended by an immense of members of both Houses of Parliament, conveyed thither by a train run for the specian accommodation of the members of Parliament and their friends.
being experiments in shipping fruit in cold storage are being undertaken under the direction of Prof. Reynolds,
of the O.A.C., and Mr. G. W. Hunt, President of the

Ottawa Produce Exchange. It is intended to ship
carload of plums, grapes and peaches to Winnipeg carload of plums, grapes and peaches to Winnipeg b
freisht, to test the shipping qualities of these fruits, and to find out if such a shipment when properly car
anied out can be profitably made. The experiment would ried out can be protitably made. The experiment woul
have commenced with strawterries, but on account the scarcity of that fruit this year it was found in

## Testing Binder Twine.

## Mr. Joseph L. Haycock, in making a tour of West- arn Ontario last week in connection with his duties as

 ern Ontario last weel Binder Twine, gave the " Farmer's Advocate" a call. Mr. Haycock reports thattwine this year is invariably properly labelled, and the manufacturers show aight in the balls. The more expensive grades are still most in demand, and it is probable that the prices of the lower grades will be proportionately reduced another year, in order to untoad the supplies and to ease the demand for pure to its liberal use. Mr. Haycock gave a simple rule for determining the length of twine in a ball. Take a sample ball, and press the strands closely together, and note the number required $\begin{gathered}\text { then every strand within the inch will represent fifty }\end{gathered}$ feet in the pound. If ten strands lying side by side make an inch, then a pound winl contain five hundred feet; if eleven strands, five hundred and fifty feet;
twelve strands, six hundred feet to the pound, and so on. Having this rule in mind, anyone can test his twine for length, and need not be duped by short meas-
ure. In addition to his original duties, Mr. Haycock is now required to check the claims for bounties which an even footing with the U. S. manufacturers, who get a rebate on account of the Philippine export duty on manima fiber. The bounty is regulated by the quan-
tity of manilla actually used in the factory, but still tity of manilla actually used in the factory, but still ably reach $\$ 25,000$ in all. There are eleven Canadian

Notes from Ottawa.

## Mr. W. H. Hay, who was chief of the agricultural branch of the Canadian exhibit at St. Louis, has returned to Otlawa, and is preparing an exhibit of, Cana- dian goods for the Trades Exhibition, to be held in Islington, England, the coming autumn. Mr. Hay will leave on August 5th, with three carloads of native products. The display will include confectionery goods,

 groceries, dairy produce, flour, fruit (canned goods),jellies, cheese, honey, meats (canned goods), dressed poultry and fish. The Dominion will have 1,500 square feet on the grounds. Cenede has never taken part in this exhibition before, and the venture this year is expected to increase the demand for the natural food
products of the Dominion in that part of England. It is probable that Mr. Brodie, of the exhibition branch, will accompany Mr. Hay to England. At present these
two officers are travelling in Canada collecting specimens for the disphay. The exhibition will last six
Mr. Hay says that in St. Louis there was a large number of enquiries daily ,from intending immigrants to
Western Canada. One of the chief benefits the country will derive from the St. Louis exhibit, he believes, will At the request of Mr. A. A. Lefurgey, M. P. fo
East Prince, Hon. Sydney Fisher, Minister of Agricul ure, presented to Parliament on July 13th a state ment showing the expenditure and revenue of chicken The number during that time increased from two to bix. The excess of expenditure over revenue for the
last two years is much less proportionately than fo the previous period. The cost of maintenance, the year
ending in 1900 , was $\$ 875.23$, compared with $\$ 197.88$ revenue, from two stations, at Charlottetown and Charlottetown, Mount Stewart, Eldon and Alberton, the expenditure was $\$ 1,236.93$, as to $\$ 405.50$ reveipts cale, the cost being $\$ 1,118.62$, and the revenue $\$ 617.16$ This was the most profitable year. In 1903 the re
turns from stations at Mount Forest, Eldon, Alberton turns from stations, at Mount Forest, Eldon, Alberton,
Vernon River Bridge, Rustico ville and Glenfinnan, being cost of carrying on the work was $\$ 3,086.18$. Cold storage is to be provided on the two new turbine steamers of the Aman line, subsidized for ocean
mail service by the Dominion Government. This is of mail service by the Dominion Government. This is of
considerable importance to Canadian shippers, for these steamers are obliged to make seventeen knots an hour
which is faster than the speed of the subsidized steamers last year by four or five knots. The Governmen has agreed to pay 2,000 pounds sterling per round-trip to these steamers. This is twice as great a sussiay
has been paid to the Allan Company for the Bavarian
and Tunisian. The first of the turbine vessels will and Tunisian. The first of the turbine vessels will ing of navigation in the St. Lawrence next year. The Government has no complaint about the cold-storage
service on Allan liners, and so there is every hope that
the new steamers will be well equipped. There is, the new steamers will be well equipped. There is,
however, no stipulation in the contract as to temperA return made to the House of Commons by Mr.
Fisher, shows that
contribute anything to the cost of the buildings and is likely to put inexperienced men on even terms with machinery at the Maboa creamery in Cape Breton. The them money was provided by the Creamery Association, sup-
Hemented by a grant from the Provincial Government of Nova Scotia. The Goverment piaid rental last year amounting to $\$ 200.35$, and salaries for a buttermaker, an assistant, and manager of skimming station,
$\$ 770$, whi of butter or butter manufactured last year was 1,711 pounds, compared with 6,684 in 1902; the length of operation being
two manths shorter in 1903. No milk or cream was peidd for by the Government, the patrons being compensated according to the amount of butter produced. This creamery was a new industry for the district. The
supply of milk was much interfered with by railroad work in the district, which created a temporary demand for the product during the period reckoned.

## British Cattle Markets

## cogo-

 At the great mespolitan market in sandor
Is the market for foreign shores, the cattle are taken out of the lairs or sheds for resting, feeding and watering, and are tied up to rails that are securely fastened.
Each "beast," as they refer generally to cattle, is consists of two iron bars running through posts. The over the top of the horizontal and tied $\cdot$ to the lower When I was told that the cattle were tied up in midnight, I expressed surprise that perhaps was not very mild, and said I should think 4 or 5 o'clock would be exceedingly early, especially in this country,
where general business offices never open until 9 o'clock. Where general business offces never open until 9 o'clock.
" Bless you," said a cattle salesman, " the market is not only opened at that time, but it is no uncommon thing to have the animals sold, slaughtered, and
the meat loaded and on the way to Smithfield before 5 o'clock.'
ing "But how
, they see to judge what they are buy-
". Don't you see the big lamps all through the marKet ? They are all lighted, and, besides, many of the
traders are so expert that they could see the weight and quality of a bullock with their hands in the dark, say nothing about gas or electric light
Here was another idea
explanation of a well-known fact and perhaps a partial
It is well known that British cattlemen handle stock a great deal in trading, and when business is started
at nidnight, I can well understand at least one reason why they are so expert in the matter of touch.
The cattle display at Islington the latter part of June is never good as to quality.
be seen. grass cattle and tail-end stall-fed stock are
It is literally the season ". between hay and grass."
August and after. , This is whelly a good season for American and Canadian cattle.
The showing of sheep was only fair as to quality and quantity, and the olferings of pigs were quite small.
Sheep are shown in small uncovered pens, holding about.

Grass is growing between the cobblestones of the
south half of Islington cattle market.
"How do you account for that."
dian cattle it's on account of your American and CanaAmerica and Australia," replied my informant. is growing competition for the Britsh farmer and feeder always be a great market, you know, because our
people are willing to pay a premium on homegrown beel it it is necessary
There
There was no use saying just what I thought about
this remark.
Islington market is only open two days a weelk
I was informed that cattle were often brought here on Fridays and Saturdays for Monday, and on Tuesday nd Wednesday for Thursday, because the railroads could market just in time for sale day.
hare of it is put sold by the head, though a good "Inll bet you a bob I can lay that beast's weight 24. That meant that he was willing to bet a shilling or
. that he could guess within 14 lbs. of the weight of big, fairly fat, grass-fed steer.
Make it a crown and bitters for the party I'll go you." The challenger put the weight at .. seer, was made. score two
stone," or 1,216 pounds, and the bullock tipped the beam at 1,210 pounds. of what an animal weighs on the hooi, they always
think in terms of dead weight when trading. the system of weighing cattle is an injustice to men who bave become expert in their business, and they re-
sist it as another of those American innovations that

Since cattle have advanced in Chicago bellers American beef in London and Liverpool say they ar selling at about Chicago price, which means that they Hind quarters hav

Hind quarters have been selling at 6d. or 12c., and lore quarters at 3 dd., or 7 ld ., making an average of
somothing like 9 dc. per lb . for dressed beet laid down in London.

Efforts to advance prices to meet the advanced cost result in driving customera away and allowing consumer to get accustomed to other and cheaper foods.
" What is the most formidable rival of American dressed beef ?" I asked of a representative of one of the
largest meat concerns in the world largest meat concerns in the world.
competitor." a "There is a popular notion to the effect that South America sends only frozen meat to London."
". That is erroneous, as are many more

- "That is err. lar impressions."
Argentine se

Argentine sends beef, both frozen and merely chilled, and the latter system is rapidly growing in favor,
though there are great obstacles to overcome in a five weeks' voyage and passing through the tropics. Eng! ish cattle in large quantities, and the number of good cattle is being steadily increased. Thare are now 22,500,000 cattle in Argentine, and about $90,000,000$ sheep. As the country only has a population
tine has the largest number of meat-producing animals of any country in the world, population considered. Australia has some 6,500,000 cattle in a territory as large as America.
more cattle than the se the drought Austrafia has no New Zealand has some $1,460,000$ cattle and 18 , 954,000 sheep. That country is only shipping mutton,
having no surplus of beef to send so far having no surplus of beef to send so far.
There is great rivalry between the Welling district on the north island of district on
good sheep.
Between of sheep, and lambs they send some of the best carcasses Canada is proudly referred to as the granary and meat producer of Britain, but with $2,84,5,000$ cattle, and $1,736,000$ sheep, it looks as if she had a long way to go before that dream can be realized.
If it were not for the 30 per cent. tariff. If it were not for the 30 per cent. tariff, a good
share of the cattle raised in Western Canada would be sold in Chicago.
Some of them are, as it is, and a good cattleman Some of them are, as it is, and a good cattleman grazed in the Canadian Northwest are drifted down over
the line and sold to men who can pass them along to where they can be properly finished.
That is why Canadians are so very anxious for
Britain to admit their cattle into the interior Britain to admit their cattle into the interior.
Canada is not destined to be a very strong factor

## American Breeders' Association.

The general chairman of the membership committee of the American Breeders' Association, Mr. Eugene D.
Funk, Bloomington, Illinois, is progressing with campaign for a large membership for that new organiation. Animal breeders, plant breeders, scientists interested in heredity and evolution, and others who are to become mere St. Anthony Park, Minnesota, to whom all remittances are made, reports daily responses in the way of remitcances for membership. The annual membership fee is $\$ 1.00$. Life memberships at $\$ 20$ have been received 1'aris, France, and another from the Zoolorical abo tory, Naples, Italy. A number oi annual foreign mem-

## The Boom in Wool.

 perienced in cortering that no difficulty would be exshare of the season's clip are fairly scrambling after a instances been made before wool has been severed from the sheep's back. There can be no doubt that high prices for wool will rule for severat years to come. T. C. Power, of Montana, who is well posted on thesituation, says the numerical strength of United States flocks has decreased 20 per cent. in the last year, and reduction is still the policy of the sheepman. Austra-
lia's ruined sheap industry may never be restored to its former prosperity ; the Boer war put South Africa out native sheep industry in the United States has dwindled down to infinitesimal proportions. aising must be profilable. It ,is an opportunity every farmer in the grain-ralsing belt should embrace without

## Live-stock Shipments.

Statement of live stock shipped from the Port of
Hontreal for week ending July 10 th, 1904 , as compiled by Robert Bickerdike \& Co., Ltd., Dominion Live-stock

MARKETS
Prices for nearly all kinds of farm produce show im-
vement. Hogs have risen to 85.25 provement. Hogs have risen 40 \&5. 25 , grain is strong
and higher, wool is in in great demand, fruit sells rapids, ard higher, wool is in in great demand, fruit sells rapidy,
and cheose keeps moving, although seven and eight cents
and and cheose keeps moving, although seven and dight eentg
are not as good tgure
and
ate bo the most engrossing subject, as the wheat is alread lurning, and considerable hay has yet to be got in

LIVE STOCk
Exparters-Choice, well-finished, heavy exporters ar worth $\$ 5$ to $\$ 5.50$ per cwt $\$ 3.85$

Export cows-Prices range from $\$ 3.50$ to $\$ 1$
Butchersi
Choice picked
Butchers' Choice picked lots of butchers', equal in
uakity to best exporters, 1,100 to 1,200 Ibs. each, quafity to best exporters,
$\$ 4.85$
to $\$ 5$; loads of good, $\$ 4.50$ to $\$ 4.75$. meadum $\$ 4.25$ to $\$ 4.50$ common, $\$ 3.50$ to $\$ 4$; rough and in-
 of good quality, $\$ 4$ to $\$ 4.2 \overline{0}$ per
Stockers-Choice yearling calves, $\$ 3.25$ to $\$ 3.50$,
poorer grades and oft-olors, $\$ 2.75$ to $\$ 3.25$, according to quality.
$\$ 50$
Sheep-Export ewes, 83.65 to 83.75; export hucke
 $\underset{\substack{\text { each. } \\ \text { Ho }}}{\text {. }}$

| Hogs - Stralght loads, fed and watered, 85.25 pe |
| :--- |

$$
\begin{aligned}
& \text { GRAIN AND PRODUCE } \\
& \text { Toronto Wholesale Prices. }
\end{aligned}
$$

Wheat-There is a better demand, and the market is wheats. No. 2 red and white, 90. to to 9nc., west and
east and east, and some holders ask 92 c. at outside points.
Goose is steady nt 79 . tor No. 2 , east. Manitoba wheat is a cent higher. No 1 northern is quoted at 96 c., No. 2 northern at 93 c. and No. 3 northern at 90c. at Georgian Bay ports, and 6c. more grinding in transit.
M15illieed-Is steady at $\$ 16.50$ for cars of shorts and is steady at $\$ 19$ for cars of shorts and $\$ 18$ for bran sacks included. Toronto freights.
Barley -1 c . for No.
. 37 c . for No. B. west or east.
Buckwheat.
Rye-57c. to 58 c . for No. 2, west or east Corn-Is steady at 45 c. tor cars of Canada, west.
American is frmer at 58 k . for No. 2 yellow, 57 zt c. for No. 3 yellow, and 56 ic. for No 3 mixed, in car lots an Oats-Are firmer. No. 1 white are quoted at 32 ¢c.
 $\underset{\text { leas- }}{ }$
Teas-60c. to 61 c, No. 2 , west or east.
Baled Hary lots on track are quoted unchanged at $\$ 8.50$ to $\$ 9$ per
ton.
Baled Straw- $\$ 5.50$ per ton for car qots on ${ }^{\circ}$ track Butter-Receipts are large, especially in the line of
daniry orlts.
Doalers say there is far too much nd coming forward, and that the quality of nuch of or rolls arell lower. for cooking purposes. Quotations

##  

 Dairy pound rolls, good to choice..... 11 g. to. to 13 c .Dairy,
inferior
Chese-Is quoted unchanged, although the marke
has an easier tone. Large, 8 fc c, and tulins, $8 \ddagger \mathrm{c}$.

Eggs-Recelpts are still light. and the shrinkage is Potatoes-OId stocks out of store are quoted at 70 c. Teenand, and the market is ang new coming to fill the
din $\$ 4$ per barrel, and about $\$ 1.50$ per bushel.
Poultry -Continues quilet, and quotations are un-Proutry-Continues quilet, and quotations are un-
changed. Spring chickens are quoted at 20 ac. per pound, and yearlings and old hens at 11c.
Retail Prices, Toronto Streat


## Cheese Markets

| Brantord, July $12 .-1,493$ boxes offered. 111 sold |
| :--- | Jngersoll, July 12 .-270 colored June sold at 7 FC c Campelitiord, July $12,-2,125$ cheese boarded. Magrath bought 625, Alexander 120, Bird 1,300 at Sterling, July $13-1,240$ boxes boarded : sales, 1,140 Pict on, Jualy $13-1,170$ boxes, all colored, boarded

Highost bid Highnst bid 78c., and no sales. Woonlthork . boxes colored cheese offered. The prices bid ranced from The to To T11-16c only one qut white being sold at Kingston, July 14-1,555 boxes boarded, 950 whito and 605 colored. Highest bid, 7 gc c, at which 300 were
sold.
Brockville, July $14-2,887$ boxes were registered
$\% 95$ white, balance colored $77_{c}$ c. bid on board:
 Soldadoc, July $14-965$ boxes of cheeee Sold, 700 at 7 P-16c; balance unsold
Vanileek Hill, July $14 .-1,757$ colored cheese boarded here to-night.
board, with the exception of 406 boxes Loard, with the exception of 406 boxes. 111 sold on the Tweed, July 1t 195 chese boarded: 270 Perth, July $15 .-2,540$ ) chesese were cn the market
 Napanee, July $15-2,115$ boxes oflered, 1,210 white
and 905 colored. Sales, 1,210 white and 705 colorect and 7 sc colved. saies. Ottawa, July 15--2,310 boxes hoarded to day, 1,516
white, 794 colored: 7.ic. for white. Fifteen out of twenty-four factories boarding sold at these figures.
Farriham, Que., July 15 - Eight factories offered 657 boxes cheses and 86 boxes of butter to-day. Chesese
sold at 7 tei; butter at 11 c . Iroquols, July $15 .-1,080$ colored and 120 white cheese were boarded; 7 fic. bid; no sales. A few lots
sold on the street at
Huntingdon, Que. July 15 - Twelve factories board-
399 boxes of whito chease and 325 noves colord ed 399 boxes of white cheese and 325 boxes colored
chessa. Fifteen factorites boarded 619 boxes salted

## illustrations.

Mackney Mare, Fair Nell 65
All Fours 145 C. S
A. Fours 145 C. S. B., 459 A. ${ }^{997}$


## Inel lare war EDitoria

 Conduct of Auction Sales The Basis of the Egg Business Minsary of a Buisness Firmhorses.
The Conformation of the Dratter
The Conformation of the Drafter


## CONTENTS OF THIS ISSUE

Winchester, J

## Montreal Markets

## Yontreal--Fair demand for local account, although

 little is done. N'eas-About steady, at 69 che. afloat, Montreal.Sarley-No. 2 barley,
Flour-It is practicamy impossible, to quote the market for Manitoba flour accurately any longer, owing to the keen competition now going on between the large
Manitoba millers. Official prices are $\$ 4.50$ for strong bakers', and $\$ 4.75$ to $\$ 4.80$ for patents. But it is said that these figures are being cut wherever neces sary. Winter wheat patents, $\$ 4.75$ to $\$ 4.90$; straight rollers, $\$ 4.60$ to $\$ 4.70$; straight rollers in bags, $\$ 2.15$
to $\$ 2.25$. Feed-Manitoba bran, in bags, $\$ 11.50$ to $\$ 16.50$ Shorts, $\$ 17$ to $\$ 17.50$ per ton; Ontario bran in bulk, \$16 to \$17: shorts. \$17 to \$18; mouille, \$26 to \$28 rer ton, as to quality. casy, owing to the heavy sup-
 to $\$ 7.50$, and clover, $\$ 6.50$ to $\$ 7$.
 Hogs-Fresh killed abattoir hogs, $\$ 7.50$ to $\$ 7.75$; hogs, $\$ 5.50$ to $\$ 5.70$, weighed off cars.
Cheese-Ontario, 9c.; best Quebec, 7 zc c. to 7 fc . candled, 15 c .; No. 2 13 c. to 14 c ; straight gathered
$\qquad$
Wool.
The advance at the London (Eng.) wool sales and the effect inducing holders of new ontario clip to hold for higher prices. There is a good inquiry from the Cnited States for both Canadian fleece and combIng, and several cars have been shipped the past week Fleece.-The offerings continue light the demand good and the market firm at 18 lc . to 19 dc for washed 14 to 14 kc for rejected, and 11 kc . to $12 \$ \mathrm{c}$. for un-
Pulled Wools-Are in falr demand, and the marke is firm. Two cars of combing and supers were sold for export to the United States the past few days. Loca dealers quote supers at 20 c . to 21 1c., and extras a

## Buffalo Markets

## East Buffalo, N.Y-Cattle-Prime steers, $\$ 6$ to

 $\$ 6.50$ shipping $\$ 50 \mathrm{oz}$ to $\$ 8$. Putchers ${ }^{2}$. $\$ 6$ to $\$ 3$; heifers, $\$ 3.50$ to $\$ 5.50$; stockers and feeders, Veals- $\$ 5$ to $\$ 7.50$.Hogs-Pigs, $\$ 0$ to $\$ 6.10$; roughs, $\$ 4.80$ to $\$ 5.10$ stags, $\$ 3.75$ to $\$ 4.25$; dairies, $\$ 5.75$ to $\$ 6$. $\$ 5.50$ to $\$ 6.25$; wethers, $\$ 4.75$ to $\$ 5.25$; ewes, $\$ 4$ to

## Chicago Markets

Chicago-Cattle-Good to prine steers, $\$ 5.30$ to
$\$ 6.40$; poor to medium, $\$ 4.50$ to $\$ 5.25$; calves, $\$ 2.50$ $\$ 0.40$ poor to medium, $\$ 4.50$ to $\$ 5.25$; calves, $\$ 2.50$ Hogs-Mixed and butchers', $\$ 5.15$ to $\$ 5.55$; good choice, heavy, $\$ 5.40$ to $\$ 5.55$ : bulk of eates, $\$ 5.3$ Sheep-Good to choice wethers, $\$ 4.25$ to $\$ 5$; fair
to choice mixed, $\$ 3.50$ to $\$ 4.25$; native lambs, $\$ 4$ to

## British Cattle Market.

London.-Canadian cattle are firm at 12 c . to 13 zc per pound: refrigerator
to 12 c . dressed weight.


Summer's sweetly calling
To the hills and plains: Singing with her south-winds
Smiling through her rains.
With her lowland shadows,
With her rippled streams:
In my violet-valleys
Rest you, with the dreams

## Two Pictures. <br> By Mary Wood-Allen

Little Agnes Martin had a broom and a dustpan among her Christmas
gifts. She was very anxious to use gifts. She was very anxious to use
them, but had only succeeded in annoying her mother with them. When she saw she was overjoyed
Oh, I can help sweep, can't I, mamma ?" and she ran away to bring her
broom. She returned with eyes shining with anticipation, and began flourishing her broom over the carpet here and there in a very irregular way.
"Stop that," called out Mrs. Martin.
You can't sweep. You are raising a dust and making me more work. You are a regular little nuisance. I wish
you hadn't been given a broom. There'll be no peace with you now."
"But I want to help you sweep," per-
sisted the child sisted the child.
". Well, you can't help, so run away and stop your crying. I'll warrant that
when you are old enough to help you
when't he so Come, get cut from under my feet." The child obeyed, but the brightness
had gone from her face, the light from her eyes."
Three hour Three hours later, Mrs. Martin began
setting the table for dinnef, and again help.
". You can't help," said her mother,
" you'd drop and break things. vou'd keep out of ny way. I'm in a hurry. "(io
bother me."
Three year Three years later. Baking day. Agnes,
now seven years old, wants to help, but, as usual, Mrs. Martin refues help, but, ald. fore. "You are only in the way. I'd rather you'd clear out entirely."
". Susie Morrows's mamma lets her cut out cookies, and help get the dinner, and
do lots of things," pleads Agnes. do 10 ts of things," pleads Agnes.
Well, I can't help that. I I can't be
lothered."
"It inn't buther, it's help," persists "Yes : you can call it help, but I'd
rather do it alone than show you how. Clear out now. When you are older you can help; only you won't want to then.
Children never want to do things they can do, but are always teasing to do what they can't do." Saturday morning.
Seven years later.
Mrs. Martin has an excruclating head. Mrs. Martin has an excruclating head ache, and comes into the sitling-room to
rest for a few moments. Here she finds
Agnes, a large Agnes, a large
reading a book.
ah, here you
"Oh, here you
Martin, irritatedly
1 warrant yony haven't done as usual
stroke of workle
taken care of
Agnes gives an
continues reading.
$\quad$." Go and sweep your room, and put it
in order,".
commands Mrs. Martin. in order," commands Mrs. Martin. Three hars later. ". Can I set the
." Then I want you to help get dinner. table? asked little Lois.
Thare's to There's to be company, you know." "You can help. Go to the other end "I don't know how to get dinner,"
Agnes says, sullenly, as she leaves the Agnes
room.
on The "- That's always the way," sighs
Mrs. Martin. "I've slaved to save her, Mrs. Martin. "I've slaved to save her,
thinking she'd be grateful, but she isn't
one bit. She doesn't care that I'm sick one bit. She doesn't care that I'm sick
and tired cut. She'd never offer to do
Sol and tired cut. She'd never offer to do
a thing for me. Solomon was right, it
is sharper than a serpent's tooth to have is sharper than a
a thankless child." Agnes paid no attention to the sug-
gestion that she was to get dinner, so Mrs. Martin got it herself, but at its
close, told her daughter to wash the shes. "I hate dish-washing," pouted Meas. "I it hate housework. I never " It's very little of it you've done yet," said Mrs. Martin. "I thought if raved you when you were young, you'd
repay me by saving me as you grew up. but I was mistaken.
" I'll tell you where you made your let me work when 1 wanted to, and now I don't know how, and don't love work,
and I'm not to blame." "Oh, of course you'll blame me. I thanks I'd get," and Mrs. Martin sobbed
in self-pity, while her daughter sullenly washed the dishes, feeling sorry only for herself.
Among her Christmas gifts Lois Barrows had received a broum and dust-
pan. She saw with great delight her mother's preparations for the next
sweeping day, and ran to find her tiny implements.
il
I can he
"I can help sweep, mamma," she ex-
claimed, joyfully, as she began flirting claimed, joyfully, as she began flirting
her broom viporously over the carpet her broom vigorously over the carpet
". Yes, dear," replied Mrs. Barrows who believed her child to be of more importance than things. "You can help
if you will do just what mamma wants
youl and put ihem on the sofa as mamma dusts them."
With shining ayes and a feelint With shining eyes and a feeling of great
importance at being mamma's helper, next, mamma ?" she asked. "What "Now you can help me put the sheets
over the furniture." over the furniture,"
"Why do you do that?" querled the chlld, as she stralghtened out the sheet over the sola.
"To keep the dust off," answered Mrs. "To keep the dust off," answered Mrs.
Berrows. "Now, we'll open the windows, and then you can go and sweep
the porch while I sweep here. see which can sweep her room the best." Ry this ruse she got the child out of
the dust of her sweeping, but did not deprive her of the privlege of helping. Occasionally she would go to the door to
oversee the sweeping of the porch and to oversee the sweeping of the porch and to
make encouraging suggestions. make encouraging suggestions.
"Can I help dust, mamma?" asked Lois.
is Yes, dear: here is a cloth, and this is the way to dust a chair. You see,
it will help marman a great deal if you
do it well, for then she won't have to do it well, for then she won't have to
stoop so much." The child was really anxious to do her
work right, and soon learned to see the work right, ana soon tearned to see the
dust and remove it, to shake her dustdust and remove it, to shake her dust-
cloth out of doors, as mamma did, and
surveyed her finished work with, surveyed her finished work with great
pride. Her eyes glowed under her mother's just commendation. "Ir
your little helper, ain't I, mamma ".'

$\qquad$ save some work for you to learn when
you are older. It will not be long
until you can set the table all by until, you can set the table all by ycur-
self.", "Goody!" said the child.
Three years later. Baking day. ". Can I help?" asked little Lois.
"Oh, yes, dear, of course you can "Oh, yes, dear, of course you can. I'd
hardly know how to do without you.
You know how to do so many things You know how to do so many things
now. You may beat these eggs. Then you can bring up some apples, and chop
them after I have peeled them."
." What next. cookies? ...
./ Certainly
$\qquad$
And ornament the pies?"
.. To be sure. We wouldn't know our
pies if you did noter pies if you did not ornament them. Then
vou can wash the potatoes for dinner. fill the kettle with water, wash the rice, While Lois was busy with these tasks. her tongue was clattering merrily, and
Mrs. Barrows learned much of the school Mrs. Barrows learned much of the school
life of her daughter, much about her life of her daughter, much about her
companionship, much concerning her
thughts thoughts and feelings, and felt that the most important results of the morning
were not the bread, pie and cake, or the were not the bread, pie and cake, or the
well-cooked dinner, but the sympathy,
confidence and companionship that confidence and companionship that grew
out of the hours spent with her child. Seven years later. Saturday morning.
Mrs. Barrows and Lois have been busy Mrs. Barrows and Lois have been busy
working together, and now sit down for a moment's rest. .. You look tired,
mother," says Lois, lovingly. "I've had a headache all the inorn-
ing," replies Mrs. Barrows "Then you're not going to do another dinner is ready." You just hie here til "But you know, dear, papa is going to
bring home company to dinnere."
in Well girl. "I think it's a pity if I can't get diuner, such an experienced housekeeper
as I am."
"Oh, I know you are competent," says Mrs. Barrows, smiling.
" Then let me prove it surely Then let me prove it. Surely
ought to 'do you proud.' You have
been uuch alt been such a falthful, pationt teacher, I
must have been an awful nuisance when I was ittie, always wanting to help. Didn't you often want to drive me
away? ", Mrs. Barrows gently smoothed the girl's hair from her forehead, as she
lovingly replied: .. Your help was not always the most efficient, but I never wanted to drive you close to me, and now I am having my Lois hissed her mother tenderly. I'm so glad you were patient with me, for
now I know how to work, and I love it. Anges Martin is to be married next. means never to do any. I wonder what
kind of a house she'll have. She thinks her mother will live with her, and work for her, as she always has done. But,
mother, I'd be ashamed to do that. It mother, I'd be ashamed to do that. It
seems to me the least a girl can do is to take the burden of her own can do ife when
she is married she is married. I'd like to have you always with me, but I mean to work
for you, to pay for what you've done for for you, to pay for what you've done for
me." -[American Mother.

Camera Competition.
$\qquad$ ere, cameras and kodaks are great y in evidence, and as our previous competitions in photography have proved so successful, we nave de ll to all amateurs. Our range of subpetitors may pursue the special lint for which they are particularly adapted.
Our offer
1st Prize
2nd Prize
2nd Prize
3rd Prize
4th Prize
$\$ 5.00$
4.00
3.00
for the best photorraus homes, home or garden groups, in terior views, field scenes, fruits of flowers, choice bits of scenery now at their best, children, animals, and RULES GUIDING COMPETITORS All photographs must be mounted and preference will be given to those not less than $4 \times 5$ inches in size. In mating the clear and distine will be then of the artistic tast displayed in the choice of subjects They must reach the ffice of the - Farmer's Advocate and or the Magazine," London, Ont., not later han Octobsr 1st, 1904. The name of competitor, with P . . address, must be marked on the back of each photo, as well as
the name and location of the view photographed.
han one photograph sut can more obtain one prize.
All photographs competing shall become the property of the "Farm No photographs from which any en graving has
competition.

## A Cheerful View

Two men who had been eltting together in the seat near the door of a
rallway car became engaged in an andmated controversy, and their loud voicees attracted the attention of all the other assengers. Suddenly one of them aros " Ladies and gentlemen: I appeal to Ladies and gentlemen: 1 appeal to
you to decide a disputed point. My you triend here insists that not more than
three people out of every five believe hree people out of every five believ hey have souls. I take a more cheerfu you who believe you have souls raiso Four right hands?
Ever hand in the car went up.
" Thank you," he said with a smile "Thank you,"" he said with a sumile.
Keep them up just a minute. Now Keep them up just a minute. Now after please raise your left hand also
Fivery hand in the car went up Every hand in the car went up.
"Thank you," he said. " Now while all of you houve he said. "Now whands raised," he
continued drawing a pair of revolvers continued, drawing a pair of revelvers and keveling them, "my friend here will
go down the aisle and relieve you of down the aisle and relieve you of
whatever valuable articles you may haveff Lively, now, Jim.

1ULY 21, 1904
THE FARMERS ADVOCATE

## Domestic Economy.

wo before casinged fruit an hour of $t$ wo before using, oxygen, improves the
the excluded ore it should be turned at once
flavor. It flavor. It should be
into an earthen dish.

EGG SANDWICHES
Chop hard-boiled a paste, add a little chopped parsley as A rich mans spread
dressing and
daintily on fanciful daintily on fanciful
shapes of white shapes
bread. CHEESE ** SALAD. Hard boil six eggs,
, eel and slice ; line

## (1)

 eel and slice; linMr. Boules' Experiment.
Then whilst the learned
softly maundering on, ut of sight ill five But still the master lectured on with
scientific zeal, And showed the way the ruminants digest

the leaves with egg and sprinkle well
with grated cheese ; upon the cheese pour a few spoonfuls of mayonnaise dressing; continue the layers until
all is gone, then cover the top with
cheese ne

This is
recipe and
is a French
icious. Soak half
pound of stale
bread in one and a
half pints of boiling
half pints of boiling
milk, and cover up
for, half an hour.
Then stir into the
soaked bread the soaked bread the
yolks of six eggs,
beaten in one by one, half a pound
fresh butter, a hall pound of Now, boys," he said, " just follow me
white sugar, and a few pound- Now, ed almonds; to this add and the whites of cherries, stoned, Butter a shallow baking
tin, frill it with the mixture put it tin, fill it with the mixture, put it
into a moderate oven, bake for one hour and a half and turn it out of he tin while still hot; then sprinkle

> LEMON BAILEY WATER. To make lemon barley water, take two tablespoonfuls of pearl barley, a quarter of a pound of lump sugar, rather more than two quarts of boiling water, and the peel of a fresh lemon. It should stand covered all night, and be strained the next morning. RASplbertiy dumplings. Add to two cupfuls of sour milk dissolved in a little hot water -hal a cupful of lard, and flour enough to
make a dough somewhat stiffer than for biscuit. Roll out and cut with biscuit-cutter or large teacup, placing a large spoonful of well-
sugared berries upon each round sugared berries upon each round. edges firmly pinched together. Arrange on flat pan or baking sheet
and bake a light brown. To be aten hot or cold with cream or hard sauce. A good baking powder crust
may be substituted for the above for may be substit

ON CANNING RASPBERRIES. As soon as possible after picking Che raspberries, I put them into glass cans, without breaking them any when I get a fire on, I make a thin syrup (suit your own taste as to whether you make them rich or not) and pour it over the berries while little hot water to prevent breaking. put the rubber on and screw the top on tight, place in a crock or butter tub previously heated with
hot. water. and cover with boiling hot water, and cover with boiling
water. Cover crock also, and let them stand until cool ; tighten top
and put away.



Travelling Notes: Pompeii. with lava, as was the case with Herculaneum, the Government cavale as thoroughly' as it has. The strange part, to me, is that there Was such a lack of interest shown in only since the 18 th or 19 th century that excavation has been undertaken in real' earnest, though as early as the 17 th, if not much earlier, it was
known that a town lay buried there and an aqueduct supplying Naples with water passed under the ruins. We saw where the present excava-
lions are still being carried outprobably yet great' treasures remain probably yet great treasures remain
to be brought to light. The private houses in their style recalled to me the houses in Seville in Spain, with their central courtyard or peristyle,
as it is called, with all the rooms opening from it. In the courtyards, little fountains standing in pretty gardens, and marble sculptures are had a system of laying on water to supply their gardens. The original leaden pipes are to be seen very primitive in most cases, but the very primitive in most cases, but the
dado of cupids on the Pompeiian red of the house of Vattii were beautifully executed, and artists were there With their brushes making copies. Bathing played a great part in the
life of these early Italians, as Bul-wer-Lytton tells in his romance, "The Last Days of Pompeii." Most
elaborate marble baths, with little elaborate marble baths, with little
dressing-rooms attached, and shelves in which to put one's clothes, are quite a feature of Pompeii. Most interesting, too, were the wine shops,
with their large earthenware jars and with their large earthenware jars and
big cellars; the curious old stone mills or grinding corn, and the fine mosaics, especially those on the
threshold bearing the word, "Have", threshold bearing the word, '"Have,"
meaning welcome. In the Museum of Pompeii are kept the casts of the human bodies that were found inbedded in the lava, just as they were also of a poor dog. The as tudes have been most wonderfully preserved. Of course, we could not see all-Pompeii is too big see in to see has left an indelible impression upon our minds. Our third, and last, day at Naples we spent looking at the shops and admiring the place is very rich-rich, too, are the prices, though we made a few purchases. The following morning we were up early, to be on time for would have it, the electric train went wrong, so we were forced to take another car, but despite the the station safely, and made a most comfortable return to Rome, having spent three of the most interesting of all our days, so far, in Italy.

## Carry Sunshine.

 There are people in theworld who seem to carry sunshine with them, and to them. It is a pleasant thing to meet them when one is in rouble or perplexity. Their the heart, their ho right to take the sting out of diss ter, and the burden which weighed upon the spirit beassuring counsel their reits cause, is lightened by their earnest sympathy. Blessed comforters his friend; thrice blessed he who has one such for a wife.
How she beautifies his home! How the light of her brave love shines against the clouds of misfortune when they darken around him, spanning them as with promise bows, and progloom. No rightly-constructed the who has such andy -constructed man despair.

How to Write a Pleasing In the tirst place, the paper and
ink should be of the best possible ink should be of the best possible writing leaves something to
sired. Thick cream-laid
paper is to be recommended for paper in tinary use. It always looks in good taste, which cannot be said o those glaring eccentricities in vivid-
colored papeterie affected by so many people nowadays.
The date of the month and year ought never to be omitted, even when writing a trivial note to an
intimate friend. insignificant detail, but much inconvenience is often caused by its being eft out. It is not sufficient to put The day of the week alone
The civility of enclosing addressed envelope for the reply must always be observed when writ ing to a
All the words must be written in uin. Abbreviations of any kind a a lamentable lack of as well on the writer's part towards the The answer to a letter which re quires a definite response should be sent directly after its receipt-by re
turn post, if possible. There is nothing to be gained by delay in the matter, unless the question at issue is one which demands much anxious In these days of fabulously cheap
paper and penny postage, the crosspaper and penny postage, the crossing of writing is an unpardonable of it deserve to have their letter A letter, when written, must be evenly folded in such a manner that the signature comes inside, and
placed in the envelope with the fold placed in the envelope with the ford
inserted first. By this means the first line of the communication meets the reader's eye directly
drawn from its enclosure. The proper place for the stamp is
at the top right-hand corner of the envelope, at equal distance form the edges. Nothing gives a more slovenly appearance to a perhaps other-
perfectly-appointed
missive than a stamp carelessly stuck on, either askew or in any of those peculiar positions supposed to convey some hi
tiated. iliated
direction correctly and vist bery distinctly. Postneen are not skilled
hieroglyphists. It is often impossihieroglyphists. It is often impossidiresses on some of the letters entrusted to them, thus causing delay
in the delivery.
If the least doubt be felt as to the the dictionary which ought have a post of honor on every writingsuspicion, and one ill-spelt word will cast a slur over a letter. every family should make any sacri regular correspondence with one other.-Exchange.

It is Cardinal Manning who relates thelf. One night I was returning to my residence in Westminster when I met a poor man carrying a basket and smoking
 desires to drink; he who drinks too much gets drunk; he who gets drunk endangers his soul. This man is in danger of mortal sin. Let us sa
am, thanks be to God
Where are you from
.. Are you a member of the
sinence Society?"
"No, your riverence
" Now,", said I, ". that is
Look at me ; I am a member

## 

A Servant's Place
He deigned forget His own Eterna Being
He loved
He loved and served and toiled, the end
foreseeing-
Say, were such lot too low for such as
Most people want to get on in the orld; they would like to win a high place, securing for themselves the re spect and love of their fellows. But sometimes the road to honor is missed because a mistake is made in he very beginning
Long ago, there was a strife among
certain disciples as to which of them should be accounted the greatest The Master explained that the road o greatness was through the valley
of service: "He that is greatest among you shall be your servant., That was the way He rose to His high position, for He-the Son of
God-" came not to be ministered unto, but to minister." We recogover a congregation, its .. minister,' or " servant." "Then the "Prime
Minister " is in a very high position, although his very nigh posiof the whol be the "chief servant" Queen was honored by the whole world because she devoted her life to hves only to have other people wait hg on him will never win either
honor or respect for himself. A servant's position then able, and no one need foel honorof it since our Master Himself took on Him the form of a servant and came to misister to the wants of all
men. He is still always ready to words, to "serve" us. "When the King of kings comes again in the glorious majesty, He will still continue to serve those who have proved themselves faithiul servants
"Blessed are those servants whom
the Lord, when He cometh, shall find the Lord, when He cometh, shall find watching : verily 1 say unto you,
that He shall gird Himself, and make come forth and serve them.' God always honors those who
honor Him, and the world loves honor Him, and the world loves
heap its honors on the men and men who have proved their greatness by years of willing service, carrying
out St. Paul's declaration-" ourselves your servants for Jesus'
sake." first statue ever erected in
The for England in memory of a woman who was not a queen, stands in the town Dora." She won her high posi-
tion by a life of devoted service. In 1864, she went to Walsall, when most people, who could, fled from
the place, for smallpox was raging there. She nursed the sick, and sometimes buried the dead with her
own hands, because no man dared do it. At first the rough, drunken men
treated her with scorn, and even with open violence, hurling after her stones and vile language; but she
worked on patiently and cheerfully worked on patiently and cheerfully,
even joking with her patients, and even joking with her patients, and cruelly with a kindness which soon won all hearts. Once, when the
hospital was filled with smallpox patients, she shut the doors, pre-
serving the strictest quarantine ; and, with only one man to help her,
did everything that was needed did everything that was needed. She was servant to all the rough pa-
tients-nurse, cook and washerwoman. Was it any wonder that, when
she passed into higher service, one their dearest friend to her grave, said: "We want, her cut in marble,
no danger o' that, but we want her
no danger o' that, but we want her
to be there, so that when strangers come and see her standing up there, we'll say : . That's that? An wera., ',
That :
The sat s not erected by the rich, but by the hard-earned money gladly given by the poor people she of ". Served so willingly. The name gotten; for the world, in spite of
its worldliness. delights to honor those who deserve to be honored-although the honors are sometimes late in coming. Truest happiness, as well as honor, lies in the path
willing service .. for Jesus' sake."

Shall chant itself in love bun beatitudes
After its own life-working. A child's kiss
Set on thy sighing
or man served by thee shall make
thee rich; sick man helped by thee shall make
thee strong;
hou shalt be served thyseli
sense
"But," you may say, " I can't
at home and fritter a hay my time on little humdrum duties that will Do you know, it is probably a very
good thing for us that we have only opportunities of serving the world in
small, insignificant ways. everyone who can do great things and not get conceited, and how sad
it would be if all the world praised commendetion thated can win the only anyone-the Master's "Well done, man many times a day the great cause we have to-yielding a slave's doing service, as to the Lord, and out to men." If we wish to make then we must do it heartily, "not
with eve-service, as men-pleasers
but as the servants of (christ, doing
the will of God from the heart." service we may do for others is ac cepted by our Master as a gift to
himself.
Perhaps the greatest incentive to one who has any love for
$\lim$ is the golden text, which I will

## THOUGHT FOR THF: COML

$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$ wasted, even though they may have
to be done all over again to-morrow.
No smallest act of service is ten or overlooked, We work always day be commonplace or dull, if only we always remembered the living
reality of His presence? ." Yet the world is Thy ficld. Thy garden; When earth art Thou still at home.
$\qquad$h. high, hing and
Stand ever thing at ray whl swums doons

## A Reminiscence

## riel gave me Farmer's

Ariel gave me a pen of gold,
One chosen word to write Child-wise I wait, I muse, I choose Why, nothing suits me quite !
Here in the meaciows sweet to roa have the word, the world thinks fair t hath obtained in every sphere-
. Tis ". Home," sweet "Home."

Xo, stay my pen of gold Their deed happy who are old, thers do have and hold,

## Mother <br> Seek I another <br> have forgot I should know,

 A-starving Israel, I have let them go Their red, red 'broidered robes defiled ard things the neighbors said,Love " is a jewelled word So is the climax, new and old
Of nll thingo thall I write ". Iove" in golden-rod Won asters star it through?
bove a lyre of golden strings e oft is but a silvern sound And if a gem, a flaw is found. The is it love? or is this love
The amber or the fy ? and if 'tis wine's delicious zest me a specific love have founct
weet "Heaven," it hath a holy sound. Be it mine Italy!
Come, Sara, give me a sweet word,
The dearest, Write 'JESUS,' mother, 'JESUS,' mRS A. E. HOLT

Some Things a Mother of Boys Should Not Do.
teats her boy as a that if she will do much towards making him
perpetual frow treat her boy to fault-findings. frowns, scoldings and more flies than vinegar." Love wins She should noble manhood. hard pressed for time that she cana man he will all he lives to be him while should make the best of She should not deny her boy any opportunity to enjoy outdoor exer-
cise or sports, and she should forget to train him with a proper
regard for his personal appearance regard for his personal appearance.
She should never allow him to form such habits as coming to table nails or teeth, or carrying soiled handkerchiefs.
She should never nag him, or forget that he is a creature of reason,
not an animal which requires to be

She should not try to break her boy's will, but be thankful that he his own, and devote herself to training it to the noblest uses.
She should not fail to instil in him a distaste for all that is vulgar.

He had been shooting "late " all day, with the outcr edge of the "spread," but without doing any further damage.
On his lamenting this fact, the keeper remarked, consolingly, "Well, sir, if the
birds was only to take to fyin' tail He was the same man who had "couldn't shoot at all to-day" "with the
vemark. "You shoots well enough,

With we Flowers

## The Geranium

## With foliage at all tim

ye，and flowers infinite in variety of color and marking，possessing at the same time the advantage of be－ ing especially easy of culture，and exceptionally free from insect pests it that the geranium should more than any other plant，recommend self to the amateur floriculturist． self to the amateur floriculturist．
However，as everyone knows，there However，as everyone knows，there
are geraniums and geraniums．Here one sees tall，straggling plants，
blessed with but few blossoms；there compact，bushy ones，laden with clusters of scarlet，or white or pink， ene to any room；all of which goes to show that，although the geran－ fum will live under any treatment， will smile only under the best．
Some people make the misti expecting the geranium to bloom all the year round，and so meet with disappointment．The best plan is
to have two sets，one for summer and the other for winter blooming． For the summer set cuttings may be rooted early in spring－March is not oo early－and for the winter set any
time from June till August． time from June till August．The The stubby side branches make the best ones，and may be started simp－ y in the pot beside the parent plant，
or in shallow boxes of sand which for geraniums，must not be kept $t$ moist．When rooted，move the slips to small pots，and continue to shift from pot to pot，according as the last moving，the plants occupy pots six inches in diameter．Larger ones should never be used for geraniums，
as too much root room will cause the plants to run to folia ce and give but little bloom
If you have old plants set out in
the garden this summer，and wish to gave them bloom again in the up in the fall，cut them back sharp－ by，and stow them away in the cel－ lar for the winter，giving them very
little water，so that they may ob－ little water，so that they may ob－
tain a complete rest．Or，if you choose，you may take the plants out of the pots and hang them up some－ where until spring． contrary，you wish．to have your old not let any flowers come on them during the summer．Pinch off every bud resolutely，according as it ap－
pears；then，early in the fall，take the plants up and re－pot，so as to the plants up and re－pot，so as to
have them growing well in the house before the fires are started；other－
wise the leaves will be likely to droll Wise the leaves will be likely to drop
off．Let them flower all they will during the winter，and when spring comes cut them back，set them out
in the garden as before，and repeat the process．
best for geraniums is not too rich is has a tendency to produce foliage rather than flowers．Watering
should be done only when the soil should be done only when the soil
appears quite dry，and，after the appears quite dry，and，after the
buds form，weak liquid manure may be given once a week．Frequent spraying to keep，the leaves free fro
dust will be found very beneficial ＂Don＇t despise the geranium as a ＂common＂plant．If you have
only been used to a few old－fashioned
varies varieties，get a few of the newer
kinds：Madame Brant，for kinds：Madame truant，for ex－
ample，with its white，carmine－
striped petals． striped petals；the blotched Renom－
me Lyonnaise；the scarlet－and－white Jean Sicily，or any of the other
＂choice＂kinds kept by all florists Choice＂kinds kept by all florists sunshine，and a little especial care and then，and not until then，Say
whether you do or do not consider that the geranium is well worthy of and prized a all the home because of
those qualities which have made it those qualities which have made it
indeed the＂Flower for the Million．＂


Grandma＇s House． The train goes north at seven o＇clock And then were off－a jolly flock－
For grandma＇s house in the here＇s milk to skim and cream to Andes hay to cut and rake and turn At grandma＇s house in the country

There＇s water bubbling clear and cool，
And speckled trout in the shady pool，
And not one thought of books or sch， At grandma＇s house in the country．

There＇s a big rains and skies are gray There a a big old attic made for play At grandma＇s house in the country．

Each day is just brimful of joys；
When grandpa says，＂Tut，tut，le

$\qquad$
ri you will go just once with me
Tm sure you＇ll every one agree
is the only place in the world to ：he
At grandma＇s house in the country．

A Lost Scolding． One morning Benjy happened place was as schoolhouse very early．The in the middle of the week．Benjy was not afraid exactly，but he felt Tittle white schoolhouse was hidden To keep up his spirits，Bendy began


The＂Flower for the Million
bounded back．This was much livelier，and he had entirely forgotten to feel lonesome，when the ball sud denly disappeared．There was a soft
little thud inside the schoolroom then a crash that in the quiet place sounded to Bendy as loud as a peel of thunder．One of the windows was down from the top and the little red narrow opening．
Bendy＇s first
Bendy＇s first fear was that he had
lost his ball，and then that lost his ball，and then that som
damage had been done in the school room．He stood on tiptoe，and peeped through the window．On th
teacher＇s desk was a vase teachers desk was a vase lying on
its side．The flowers that had been in it were scattered about，and the water was trickling in among the neatly－piled books． $\begin{gathered}\text { Benjy was real－} \\ \text { my frightened now．} \\ \text { He tried the }\end{gathered}$ door，but it was fastened；and he
was tried the was too small a boy to climb
through a window．He thought through a window．He thought of
running home to get out of sight of running home to get out of sight
the mischief he had done；for how could he face the scolding that would come？But no one had seen the ball never find out who it mas berry would boy shut his hands together into two tight little fists，and ran down the road toward the village as fast as two or three boys going to school， but he did not stop when they shouted．Merry was shutting the behind her when a breathless little boy almost tumbled against her，cry ing：＂Oh teacher ！I spilled water all over your desk．Please
hurry，and perhaps the books won＇ be spoiled．＇
When she learned what had hap paned she hurried on leaving Bendy books， leaving Benjy to fol－
low more slowly．She had not scolded．＂But she will when she has seen the boons and has
time to tend to me，＂ he thought，ruefully， As he entered the
schoolroom there was a group about the desk，watching Miss books and putting them on a windowsill
to dry in the sun－ so dry in the sun it，＂a little girl called out，suddenly，diving she had caught sight
of the bright ball ＂This is bright ball ball，and he threw it tipped the vase over？＇ She was triumphant over her discovery
but Miss Berry smiled but Miss Berry smiled
at Bendy over the
heads of her other at Benjy over the
heads of her other
scholars and said： ＂Yes，I know who did it－it was an
honorable and truthful
little little boy who came straight to me with
the story of his acci－
dent．There has been so play ball by himself．The ball he no harm done，Bendy．Most of wonder to all the school－children．It and the few books that are was of rubber，almost as light as a
soap－bubble，and was a beautiful bright red in color．Such a ball had never been seen among the Sharon
boys until this one came to from a cousin in the came to Bendy He began by tossing and catching t，then he made it bound on the hard，smooth ground，but it was
rather stupid to be playing alone rather stupid to be playing alone
Then he tried to make the school house help him in his fun ；and he threw the ball against the wall and
＂Willie，＂said his mother，＂I 1 wish
you would run across the street and see how old Mrs．Brown is this morning．＂A ported：＂Mrs．Brown says it＇s none of
your business how old she is．＂

The Best Way． Cos I＇s a tell－tale I must stay ＇m sorry that I touched the jam， Now，if Ism sorry，don＇t you s＇
The little birdie surely knows？ Why cant it tell a thing like that， See how my blouse is stained！ dear，I could go＇way from here I wish I could go＇way from here ！
There＇s no use wriggling－mamma＇ word
Is always law．I wish that bird Would come along ；I can＇t stand the I sorry，mamma ！＇Well that kiss Told that time would I feel as glad Elizabeth Barrett Browning

Our Lady of the Snows．＂ By Rudyard Kipling A nation spoke to a nation，
A Queen sent word to a Tiro Daughter am I in my mother＇s house The gates are mine to open As the gates are mine to close And I set my house in order，＂，
Said our Lady of the Snows． Neither with laughter or weeping， Fear or the child＇s amaze，
Soberly under the White Man＇s law， Soberly under the White Man＇s
My white men go their ways． Not for the Gentiles＇clamor，
Insult or threat or blows－ Insult or threat or blows－ Bow we the knee to Baal，＂，
Said our Lady of the Snow
My speech is clean and single，
I talk of common things
Words of the wharf and
Words of the wharf and the market
And the ware the merchant brings．
Fut a stumbling－block to my foes，
Many Many＂there be that hate us，＂
Said our Lady of the Snows．

In the din of a tried council
In the din of a troubled year：
For the sake of a sign ye would not see For the sake of a sign ye would
And a word ye would not hear． This is our message and answer，
This is the path we chose Said our Lady of the Snows．

Carry the word to my sisters To the Quests，and the have proven faith in the heritage By more than the word of mouth．
They that are wise may follow Ere that are wise may follow But I－I am first in the battle，＂ Said our Lady of the Snows．
A nation spoke to a nation A Queen sent word to a Throne，
Daughter am I in my mother＇s house， But mistress in my own． The gates are mine to open
As the gates are mine to And I abide by my mother＇s house， Said our Lady of the Snows．

## Humorous．

a lesson in punctuation．
A high－school girl said to her father the other night：
i．Diddly，I＇ve got a sentence here I＇d
like you，punctuate Yo un like you to punctuate．You know some thing about punctuation，don＇t you？＂，
＂A little，＂，said her cautious parent，as － him．
This is what he read：
＂A five－dollar bill flew around the

A fivedollar bill flew around the He studied it carefully．
He studied it carefully． ut a period after it，like this．＂simply ut a period after it，like this．＂＇
＂I wouldn＇t，＂said the high－school
＂ill＇．Ind make a dash after it．＂

Huntswill：＂It seems that in all rail－
road accidents the first and last cars are
Huntswill：＂It seems that in all rail－
oud accidents the first and last cars are
Iways the ones that are injured．＂ ORourke：＂Share，an＂I wonder why
they don＇t leave thin two cars off the they don＇t leave
＂There isn＇t very much to eat，＂，said the Eskimo hostess，as she handed
candle to each guest，＂just light re
candle io each
freshments."?Oh，
$\qquad$

$\qquad$

$\qquad$ ，d our Lady or the
place Yd make a dash alter always the ones that ${ }^{\text {are } \text { injured．＂}}$
O＇Rourke：＂Share，an＇$I$ wonder why rain entirely．＂him two cars off the

．







 freshmentr．＂．

## Wakefulness"in, Children.

 Some Causes of the Trouble and ItsWe cannot, or surely should not, give children medicine to make them
sleep. Yet sleep is necessary to sleep. Yet sleep is necessary to children grow most rapidly while asleep, and it is then, also, that the waste of the body is repaired. When possible, children should sleep in
separate beds in a room by themselves, where plenty of pure air and sunshine are sure to enter.
There is simple but There is a simple but excellent wemedy for wakefulness, which is well
worth trying, since it can do no worth trying, since it can do no poswill be derived from it. Having ried everything to make a nervous
hild sleep, a physician recommended the following, which has worked wonders. Fill a large pitcher with very hot water, as hot as the child's sponge dipped in the water, sponge off very slowly and gently down the entire length of the spine, beginning at the neck, and wetting the sponge as may be borne. Continue this unas may be borne. or as the skin is red, or toctor said, "until he howls." After this treatment, dry the spine gently, and
put the child to bed warm. A week or two or this treatment will usually effect a permanent cure
however, should signs of a wakeful however, should signs of a wakeful night appear, repeat the use of the
water, and in nearly every case a satisfactory result will follow
One common cause of wakefulness in children is the habit of burning a light in the room at night. Plants darkness, how much more do the little children.
Telling stories at night is a fruitful cause of wakefulness. The stories active minds of the little listeners, and sleep cannot come at once, however willing the little ones are to go
to bed. If a story must be told to bed. If a story must be told sity), let it be an aimless, drowsy tale, with no striking features and nothing particularly
bering.
Teach a child to lie still on getting into bed. Try a good rubbing, warm feet and hands, a loving and not hurried, " good-night," and sleep
should not fail to come to the little tired child. Scolding and hurrying do no good, but rather irritate the nerves, and produce that which you are seeking to avoid.
If, after trying faithfully these ways suggested of producing sleep, ways sugld still continues to pass many wakeful hours, the mother should at once consult the family
physician, as the matter is sufficientphysician, as to need his advice and at tention.-IGrace Turner Adams, Home Science Magazine.

## Humorous.

Aunt Julia brought Fred a rresent.
Fred said, " Thank you." Aunt Julia next time his aunt brought him a pres ent he did not say, "Thank you." After aunty went away mamma asked Fred why he did not thank her.
". Last time when I said . Thank you oounty, she said, ' Don't mention it,
oo this time I didn't mention it," Fre explained.

PRACTICE MAKES PERFECT. General Howard was an invited guest at a dinner given by a boys' patriotic
sub. His attention was called to little fellow who gave evidence of greatly enjoying the dinner. The Mail and Express gives the conversation that took place between them:
"You eat very well, my son," said the " You eat very well, my son," said the
old soldier.
". Yes sir." Now, if you love your flag as well as your dinner, you'll make a good patriot,"
(ieneral Howard's eyes beamed on the ${ }^{\text {boy. }}$ Yes, sir ; but I've been practising eat ing twelve years, and I ain't owned a
gun but six months." was the laconic gun
puy.
paintings will not be considered it The contest. The choice of subject
vill be left entirely to the competi tors, as will also the size of the understood, however, that a smal one will have quite as good a chance as a large one, provided the concep-
tion be equally artistic and the work as well done. Lastly, all drawings must be mailed to us not later than
August 20th. Kindly address them

PRIZE POEM.

## First Summer Days.

By Miss A. L. McDiarmid, Ormond, Ont. rom some unseen garden where hlacs
are blooming are blooming
Faint whiffs of their perfume is borne on the breeze, And all through am dreaming of a
trees.
little white farmhouse with woodbine grown over
Where the swallows, in spring con
build 'neath the eaves,
lilac branches,
And the wind whispers sothy
the green leaves
can hear the faint murmur of bees in
A the orchard, refratn through the long
A drowsy refratn through the long
summer noon:
summer blithely the robins are trilling end
calling,
And buil
And building their nests 'mid the pink
Way down by the river, the bare-footed
Are wading kneedeep in the lity-
fringed stream ;
he ousel swings high on the branch of
the willow,
And the minnows
-
know in $t$
woodland
There are dim shady nooks where the
white lilies blow,
traling gold-thread
Kre hiding in hollows where green
mosses gre 'm tired of the bustle and glare of the
You people who like it are welcome to
You peo
stay;
But from
voioes calling,
And I'm going back to the courtry to-

There is a slight mistake in the rhyme of the third stanza, as with " noon." The orchard picture is, however, so prettily described
that we have permitted the stanza to remain.

## prize poem

June.
(By Mrs. W. Buchanan, Ravenna.
Some poets sing of early spring,
When snowdrifts melt away,
of early flowers in shady bowers
And later ones in May;
When everything's in tune
Of nature's charm when days
Oh, June, it is a lovely
And summer flowers in sunny hour Their fragrance sweet bestow; And if the sun be rather hot About the hour of noon,
How sweet the shade down in the glade We're glad when spring returns again With promises so sweet
Is lying the autumn's bounteous stor
But nature's now, , ilee blushing bride,
Whose beauty fades too
Whose beauty fades too soon,
In the sweet month of June.
The following poem, although sent in long before the competition was with our prize place on the same page

The Child's Plea.
Come out mamma, and play with me My darling said one day : can't, my dear, I'm bus,
So run away and play."
've played alone the whole long day.
Io guess a hundred hours;
Do put your work away, mamn
And we will go for flowers.
I know they're waiting for us there
The red, the white, the blue,
They smell so sweet and lo
bright-
Please come with me, now do
When will your work be done, mamma
He asked, and gentily sighe
My work is never never done
$M y$ work is never, ne
in wearlly replied.
've beds to make, and floors
And pies and cake to mi
And many, many things
And many, many things to
Ere the men come in at six
He watched awhile with wo
This lonely little child
Then suddenly with ioy
Then suddenly with joy
Into my face and smiled.
If you will leave the cakes and pies,
And come and play with me,
'n eat just bread and milk, mamma rhl eat just bread and mik
This evening, for my tea.
l'll never ask you for a cake
For one whole long, long week,
f you will come to gather flowers,
And walk beside the creak."
Could I ressist the earnest gaze,
The tender pleading tone,
And bid him leave my side again
To wonder forth alone?
kissed the loving little face
And quickly donned my hat We started out, a happy pair

As hand in hand we roamed the wood And plucked the flowers gay, y darling said with joyous laugh
h, mothers, who may read this o'er,
F', en tho E'en tho' you've work to do,
Play with your little darlings now-
" Three-hour" bread.
Dear Dame Durden,-Having read some
modes of making bread in the "' Farmer's modes of making bread in the "Farmer's
Advocate," I thought I would like to
send you one, as it is the quickest
have heard of yet. I have used it over
two years, and know it to be good
Have made bread after six o'clock a
night, and had it baked by ten. It is a good recipe for bachelors, as they can
make their bread after they come in from make their bread after they cons
Take two dippers mashed potatoos
and one dipper potato water: when and and one dipper potato water; when jus
warm add two cups flour, one cup sugar warm ade cup salt. flour, one cup sugar
one-half chir this together then add five dippers warm water and one Royal yeast cake dissolved in hal
a cup warm water. Stir all together cover, and set in warm place to rise for
five hours, then stir, and the yeast is five hours, then stir, and the yeast is
ready for use. Make warm what yeast you need and salt; have flour warm. Mix
soft, set, rise one hour, put in pan, le soft, set, rise one hour, put in pan, let
rise one hour, and bake. Must be kept
warm warm while rising. Must not make a reader of the "F. A."
A DRAWING COMPETITION. Our Ingle Nook poets have had cheir "innings," hence it is only
fair that our artists should now have their turn. our next competition ing " contest. Three prizes will b given to the three sending in the hest original work in pen, pencil or
Indian ink drawing. Watar or oil-
to "Farmer's A
A subscriber" writes: "Dear Dame Furden,- - have and answers in your corner of the Farm er's Advocate.' Could you please inform me as to whether any of the Canadia story-writing, and if so, what college ? II not, where would one get a course on Write to the Canadtan
College (Ltd) Toronto Corresponden

Mother's Boys.
Yes, I know there are stains on my
The traces of small, muddy boots And 1 see your fair tapestry glowing
All spotless with blossoms and fruits And I know that my walls are disfigured With prints of small fingers and hands And that your own household whitenes in its purity stands.
And I know that my parlor is littered With many odd 'treasures and toys,
While your own is in daintiest order Unharmed by the presence of boys And I know that my room is invaded Quite boldly all hours of the day, While you sit in your own unmole
And dream the soft quiet away. ¢es, I know there are four little bedsides Where I must stand watchful each nigh While you may go out in your carriage,

Now, I think $I$ 'm a neat little woman, I like my house orderly, too And I am fond of all dainty belongings

No ! keep your fair home with its order Its freedom from bother and noise And keep your own fanciful leisure,
But give me my four splendid boys

## Domestic Economy.

Avoid sleeping in an undergarment the change from woollen uncierwear to cotton nightdress produces a chilly sen-
sation, then provide one of soft, light hannel. The biggest laundry in London has cover. Eighty thousand pleces can be dried at once in the space of hall an

To expel mosquitoes, take of gum caso phor a piece about one-third the size o
a hen's egg, and evaporate it by placling it in a tin vessel and holding it over a The smoke will soon fill the room and expel the mosquitoes, and not one will be found in the room next morning, ever though the windows should be left oper at night.

BULIOUSNESS.
The juice of half a lemon squeezed into a glass of water, taken night and morning without sugar, is one or the simplest and best remedies for herpid liver and biliousness. Daily o cure, will disappear, and the appetite will be considerably improved.
TO KEEF MOTHS OUT. Benzine will drive a way moths with benzine ; it will not spot o tain the most delicate silk, and the unpleasant odor soon passes away in
the air. Where it is known that th noth miller has entered, burn a tea spoonful of gum camp

## TO ENCOURAGE

Che saving of emall sume. we receive dee
posils of one dolar and upwarct and allow


Paid-up Capital CANADA PERMANENT
$\$ 6,000,000$ Mortgage Corporation, tornino arprer

The Amusement of Sick Children.
All families in which children are to b,
tound come sooncr or later to a tim
when sickness enters the homee and keep
the active litte bodtes quiet for a sea
son. Those who have had the care of
sich child through ang weary weeks sick child through long, weary weeks
a slow recovery will understand why
and mothers are which may help to pass the hours pleas antly and profitably, and yet not tax the
little invalid beyond his strength. It is not always necessary to spend
much time or money in preparing the ma-
terial for amusing a dik child terial for amusing a sick child. A few
(ld magazines, a pair of blunt-pointed Ild magazines, a pair of blunt-pointed
scissors, paste or mucilage, a box of ater-color paints, some brown paper and a pencil will accomplish wonders
If you are so fortunate as to have an old seed-catalogue, it is easy to provid
hours of delight. Take a large sheet
brown wrapping-paper, iron it smooth, and cut it into pieces about three by
five inches. In the forists' five inches. In the florists' seed cata-
logues can usually be found a picture of
a large rose, which may easily be traced

$$
\begin{aligned}
& \text { to Drug Co, of Guelph, Ont., announce } \\
& \text { Dhat they have secured the Eastern Can- } \\
& \text { ada agency for the oldd-reliable Mce }
\end{aligned}
$$ off by laying a piece of thin tissue-paper soft-lead pencil the principal lines of the flower. This done, it is an easy matter

to lay the tissue over one of the brownpaper pages, and after being sure that the
penciled side is toward the paper, again pencle over the lines previously made with
trace the pencil. After removing the tissue, a
dim outline is seen, which may be lined dim outline is seen, which may be lined Now the picture is ready to paint. If
vou wish a red rose, color the blossoms and buds red, and by mixing blue and yellow you can get any shade of green
for the stems and foliage. Paint very for the stems and foliage. Paint very
carefully, and take plenty of time. Other pages may be made from this same rose-
pattern, coloring the roses pink or yellow. Daisies, lilies, pansies, asters and ing, the prettier the book.
A source of A source of never-failing delight to a
number of small children is to have a story told, no matter how old it may oe,
and have each thing mentioned in the story pictured on paper. For example,
take the sentence "A little girl one de take the sentence A Aitle girl one day
started out with a basket of apples for starled out with a basket of apples io
her grandmother: ${ }^{\prime}$ in this a little ir ir,
a basket of fruit and a house will con a basket of fruit and a house will con
vey the ideas. Tell only one sentence a
a time, and let the children hunt fo a time, and let the children hunt for
pictures to illustrate. As soon as found
and cut out, paste the pictures in a
line on a long strip of brown paper. At line on a long strip of brown paper. At
the close of the stcry you will find tha tures co
they w
quite co
tune Some children like to cut out pictures,
hut do not know what to do with the afterward. Suppose we have a box of
pictures all cut out and ready to paste.
A large piece of heavy brown paper will

TRADE TOPICS.
THE Modougall dip. - The worthing
$\qquad$
FOR BLEMISHED HORSES. - We wish $\begin{array}{ll}\text { preparation to put horses in first-clas } \\ \text { condition. } & \text { Farmers and stockmen es }\end{array}$ pecially should be interested in it. This
is "Absorbine," a liquid that cures bog
is pavin, thoroughpin, sprains, bruises
apped
hock, inflamed tendons, swollen lands, and all soft bunches, without
bistering or removing the hair. It is well recommended to all who have horse
ailing with any of these troubles. It is
prepared by W. F. Young. Spring field Mass., who offers to prescribe, free o
charge, for all lame and blemished horses Horse" is also sent gratis. Messrs.
tyman, Sons \& Co., Montreal, have the \$50 to California and $\mathbb{R e t u r n}$ Via the Chicago, Union Pacific and North
Western Line, from Chicago, Aug. 15th o Sept. 10th. Chofoe of routes going and feturning.
rates from all points in Canada. Two
trains a day from Chicago through with Dut change. Daily and personally-con
ucted tourist car excursions. Write f,
cit. tinerary and full particulars regarding
pecial train leaving Chicago Aug. 18th pecial train leaving Chicago Aug. 18th
nd 25 th.
B. H. Bennett, 2 2 East King
cossip
$\qquad$
$\qquad$ records, seven made thirty-day records,
two made records for seven weeks,
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
cossip.

| COSSIP. |  |
| :---: | :---: |
| Hon. John Dryden, of Brooklin, Ont., |  |
|  |  |
| writes from Shrewsbury, Englant, that he |  |
| Shropshire ewes and rams. He states |  |
| that all he has bought so far are extra good and of excellent type. There will |  |
|  |  |
| the about forty or forty-five imported |  |
| ewes and rams coming in this importa- |  |
| tion. He describes them thus: "Theywill make a good-looking lot when they |  |
|  |  |
| come together, and are the breediest lot |  |

Tobacco and Liquor Mabits.





$\qquad$


All Fours 459, A. H. S. B, whose
photo engraving appears on another page
of this issue is

Brantford, Ont, on August 10th, next.
All Fours is four years old, stands 16
hands, weighs 1,275 pounds, and is a
beautiful actor.
beatiful actor. He was sired by Fan-
dango 143 , the champion of America,
dam Mischief 718 Fandango will be
remembered as the winmer of the Hack-
ney championship at Madison Square
Garden in 1901, first at New York State
iarden in 1901, first at New York State
Fair, first at Pan-American, first at at
National Show, and first at all three shows for stallion and get. In England.
where he was shown eight times, he wen Where he was shown eight times, he won
six firsts and two seconds in 1899 and 1900 . All Fours is a very promising
sire, and should prove quite an attrac-
tion at the sale. There will cluded in this sale the three year-old Hackney stallion, Jubilee Performer
6222,2122, E. H. S. B., by Imp. Jubilee
Chief, champion at Werld's. Fir Chief, champion at World's Fair, Chicago,
dam Miss Baker 1343, E. H. S. B., an dam Miss
unbeaten
winner.
wiser Clydesdale stallion, Prince Robert 2719,
sire Macara 2727 dam Cherry Sweet sire Macara 2727, dam Cherry Sweet
2787, by Cedric, is also in the sale, together with two young Hackney mares,
a Standard-bred filly, fifteen months ola, and a grand lot of Shorthorn and Holstein cattre and Berkshire swine. Send
for the catalogue. Jerseys at auction. An opportunity of getting high-class
registered Jerseys, that are also great butter - producers, at at purchasers
prices, will be given by
Mr. O'Brien, Lakeroy Farm, West London, on
the 18th of August, whem he intends to the 18 th of August, when he intends to
gell at auction 32 head of Jerseys. This


 showing record bore testimony whenever
they were shown. The females are algranddaughters and great granddaughters, got by such noted bulls as Spot Cash,
Benito of St. Lambert, and St. Ion of 84162. The average test of his dam and his sire's dam was 29 lbs. 10 ozs. but-
ter in seven days: $65 \ddagger$ lbs. milk in day. Spot Cash was a son of the late Eapl of Orgrove was another sire that made his mark in this herd. The herd throughout is in good condition for
giving the best results. A few of them ave resh in milk, but the majority are
within a few months of calving-just in
the best the best position to give quick returns
to whoever is lucky enough to get them. They are, without doubt, the ideal butter cow. Anyone just keeping a few for
buttermaking will consult their own instock bulls are richly-bred fellows, as the catalogue will show. The October 1st issue (1900) of the "Farmer's Advocate",
gives further particulars of the success of having had his herd individually tested. He had Lhily of Orgrove No. 81526
tested; when giving 42 lbs. per day, it
tested 6.90 (offcial. as well as herself, are in the sale. His herd of 28 milkers, 10 of which are pure-
bred Jerseys, the balance Jersey, Short-
horn and Ayrshire grades, tested horn and. Ayrshire grades, tested 6.15
per cent. Write for a catalogue, and
don't forget the date, August 18th.

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## 


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after the threshing season is over and can keep busy all the winter Why not turn your unproductive timber into a Deloach mills have done this for more than 10,000 farmers and small lumber-
men. Why not for you? A beautiful catalogue with information about cutting
up timber and operating a sawmilt up timber and operating a sawmill will
be sent on application to the DeLoach
Mill Mfg. Co.. Atlanta, Ceorg


QUESTIONS AND ANSWERS. 1st.-Questions asked by bona-fide subscribers
to the Fran's A dvocate" are answered in
thi this de part ment free
plaidinl Questions should be clearly stated and
and
and ont side on on one the paper only.


 urhent wheterin
be enclosed.

## Veterinary.

antipifty caly.
Bull calf, six months old, does not
thrive. His hair is dry, and off in spots thrive. His hair is dry, and off in spots
on his neck. He is fed ground oats, on his neck. He is fed ground oats, $\begin{array}{ll}\text { drinks and feeds well. } & \text { J. D. S. }\end{array}$ Ans.-Examine the spots where the hair is off, and if he has ringworm treat as
recommended E. G. K., this issue. You are probably feeding the calf too highly. Give him a purgative of eight ounces Epsom salts and two drams ginger.
After the purgative acts, feed reasonAfter the purgative acts, feed reason
able quantities of grass, bran and oat chop, with a little linseed meal once or twice weekly. I do not think he will re
quire any drugs, except the quine any drugs, except the purgative
See that he gets plenty of exercise, and See that he gets plenty of exercise, en
do not try to :orce him too much. V. calf with cough. Calf, eight weeks old, took sick four or
five weeks aro. I dosed it wath oill and laudanum, and it got a little better. Is now gradually getting worse, lies
down a great deal, coughs and breathes down a great deal, coughs and breathes
heavily.
The feces are grey colored and heavily. The feces are grey colored and
scanty, and its hair is dry. A. M. F. Ans.-1 do not think the calf will do any good. It is probable it has tuber-
culosis, and I think it would be wise to culosis, and I think it would be wise to
destroy it. If you decide to treat, plive eight ounces raw linseed oil, and follow up with ten grains each of gentian, ghn-
ger and nux vomica, nixed with ome pint ger and nux vomica, nixed with one pint
new milk, and give as a drench night new milk, and give as a drench night
and morning. Give all the new milk it
"Who has the right time ?" The man who has ELGIN TIME every time
Every Elgin Watch is fully guaranteed. All jewelers have Elgin Watches. "Timemakers and Timekeepers," an illus-
trated history of the watch, sent free upon request to

## CRIPPLED PIGS.

1 keep my pigs (eight) in a pen, 15 wo or and a yard pen of same size, oints and swollen in hocks. I have renoved them, and given a run on grass
and rubbed their joints with turpentine. W. L. Ans.-The pigs became crippled from high feeding and want of exercise. You have adopted good treatment. If you
do not allow all of them more exercise, it is probable your trouble has just nicely $\begin{array}{ll}\text { ommenced } \\ \text { toms with } & \begin{array}{l}\text { Purge any that show symp- } \\ \text { four to twelve ounces }\end{array} \\ \text { to }\end{array}$ Epsom salts, according to size. Feed a little of equal parts Epsom salts, sulphur
and charcoal every day, and allow them and charcoal every day, and allow them cossip.
$\qquad$
$\qquad$
 cine, Wisconsin, is reported to have daily. B. H. Bennett. 2 Fast King St.,
which is so much smaller than the other that it can walk under its big sister whout touching her; its weight at two
weeks old being only 40 lbs., and its head and ears were nearly as big at birth ,
Mr. T. H. Hassard, Mill brook, Ont.,
mporter and breeder of Clydeedale horses, writes, under date July 14th: ritain by the Allan the for Great avarian, and expect to be back for the ons and mares with some good stal-
$\$ 30.00$ to Colorado and Return Via Chicago Union Pacific \& Nor ern Line. Chicago to Dever, Colorado Springs, and Pueblo daily throughout the
summer. Correspondingly low rates

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JULY 21, 1904
QUESTIONS AND ANSWERS. Miscellaneous.
A bad weed in grain You will find enclosed a weed which
find in my hay and grain. he growing thicker each year. Please
give its name and habth, and beet. way give its name
to destroy it. Ans.- This is bladder campion (Silene
inflata). It has often been described in inflata). It has often been descritbed in
these pages. See page 903, June 23rd

Care of young bull
Should a young bull, of say fourteen
months old, be kept in the barn
mitted to run on pasture with milch
Cows ? L.
Ans.-He will keep in better condition in a roomy box stall with a yand or
paddock for exercise, and should be liberally fed-bran and oats forming the
principal part of his grain ration. If principal part of his grain ration. If
allowed to run out with the cows, he allowed to run out with the cows, he
should be taken in morning and evening
and given a grain ration; and in hot ahould given a grain ration, and in hot hot
and
weather, when flies are bad, should be kept in during the day.
YARROW-MILFOIL Am enclosing a weed that has spread
very rapidly on my farm in the last three or four years. When the field was in hay, it did not spread; but since I began
to pasture it, the weed has spread very
rapidly. $\mathrm{J} . \mathrm{M}$.
$\begin{aligned} & \text { rapidly. } \\ & \text { Ans.-This is a specimen of yarrow or }\end{aligned}$ milfoil (Achillea millefolium), the strong-
scented plant with whitish downy stock quite common in dry pastures end
meadows. It does not thrive in cultiquite common in dry pastures end
meadows. It does not thrive in culti-
vated soils, or when cut; but as stock do not eat it, it spreads in pastures when not eat it, it spreads
the soil is congenial.

Two bad weeds.
Enclosed you find two weeds, the names
and nature of which I would like to Ans.-One of these is bladder campion
(Silene inflata). See enquiry , isournere in these columns. The other is black medick (Medicago lupulina), a very thse
relative of alfalfa, although it has none is a little procumbent plant wtth the
leaves toothed at the apex, flowers small and yellow, seeds black and kidney-shaped
in a cluster at the end of a long stem. In a cluster at the end of a long stem.
It is getting to be a very troublesome
thing; found in all kinds of crops: seeds profusely. Methods of eradication would be to prevent it seeding by cutting and
frequent cultivation of root crops and frequent cultivation of root crops an
shallow and continued cultivation
stubble land alter harvest. stubble land after harvest.
obstructing the highway.
A and B are two neighbors, who live
on the same road, one mile apart. Can on the same road, one mile apart. Can
A pile wood on the roadside opposite his
own place, or opposite B's place? A pile wood on the roadside opposite his
own place, or opposite B's place? Has
A any control over the road opposite his own place? Has A any more control
over the road opposite his own place
than the road than the road opposite B's place? Has
A the control over, or certain privileges,
on 4 ft. or any other width of road next
$\qquad$
horse on the ra
what conditions?
Ans.-They have really no rights of the
nature suggested. save such
nature suggested, save such as may have
been given by by-law of the municinality
been given by by-law of the municipality,
and as to any such by-law, the muni
cipal clerk should be seen.
Will you kindly let me know through
the " Farmer's Advocate ". what causes
the "Farmer's Advocate" what causes
ants to come on young apple trees, and
What is good to get rid of them_?
found on the trees is is because plant lice
are also there. Aphide or
suck the sap from the leaves, and secrete
a sweet substance in sacks in the pos-
terior part of their bodies. If one of
these aphlds is examined, the distender
part may be seen, and also two minute
hairs growing outward and upward from
the
the body. The ants being very intelli-
yent animals have biscovered that by
touching the lice upon these hairs they
Can be induced to give up some of the
honeydew, hence the object of the
in infesting hence the objechand. of the ants
attempt to destroy the not
atte
attempt to destroy the ants, as they are
not likely to do the trees or fruit much
harm : hut the trees ohould maciun the
whale-oil soap wash, or ould recoive the salt and
sulphur wash, in winter to deatroy

THE FARMERS ADVOCATE



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Within 3 miles of the city of London, Thursday, Aug. 18, 1904
onsisting of 32 head, mostly milkers which will calve again during the next months, APPIICATION
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JOHN O'BRIEN, Prop. WEST LONDON, ONT

## GREAT DISPERSION SALE HIGH-CLASS REGISTERED STOCK

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figures for two words. Names and addresses
are are counted Cash must always accompany
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than 50 cents. than 50 cente.



 children. Middle aged woman preferred. No
objection to widow, with'a child. Apply Tho
Ballantyne, Stratford.

## Mare quids her food

Mare, seventeen years old, when fed grass in the stable, chews large mouth-
fuls, and then puts it out until sho ha chis, and then puts it out until she has her doing this on pasture. I had her teeth filed a few weeks ago. Should the Ans.-Th be tred. is in the mouth. Ans.-The trouble is in the mouth.
Notwithstanding the fact that you had her teeth dressed, you will have to get
them dressed again. It is possible her eeth may be so worn that little good can be done. When the incisors are so
long that the molars do long that the molars do not meet, of
course they must be dressed down until the molars come in proper contact with each other.

## indigestion.

 Cow milking since September has beenled enough hay and oat ohop to keep her
looking well. I turned her om grass ooking well. I turned her on grase a veek ago and she has had no grain since.
notice her grunting when she walks ; she I notice her grunting when she walks; she
is a little dull; she chews her cud, and
has net has not been bloated. She is getting Ans.-This is indigestion, caused probher in the stable; give two pounds Epsom salts and two ounces ginger, dissolved in two quarts warm water, as a drench. Al-
ow nothing to eat but a littlo aloppy ow nothing to eat but a little sloppy
ran until the bowels move freely. Give two-dram doses of nux vomica three
times daily, until purgation ceaese. If times daily, until purgation ceaees. I
necessary, repeat the purgative in rather smaller dose, say one and in pounds, in thirty-six to forty-ight hours.
if she does not vield readily to treat. If she does not yleld readily to treat:-
ment, you had better call your veberinent, you had better call your
narian in.
scrotal hernia, etc.
hernia; the scrotum is as large as a tea2. A three-year-old horse seems to be aright in his eyes; but the eyeballs seem
o sink in his head in the corner of the eye. Two calves have ringworm.
E. G. K. Ans.-1. Unless the rupture is increaswill in all probablity effect a cure. If it is getting larger, get a veterinarian to operate. Any will produce by an anlications.
2. The symptoms given do not denote any disease of the eye. I am inclined to the opinion that the eyes are con-
genitally rather sunken and if so, of course, nothing can be done.
3. Moisten with viel 3. Moisten with vaseline, in a fow hours
emove all the scabs and scabs. emove all the scabs and scales; then ap-
ly tincture of iodine twice daily as long is tincture
miscellaneous enouiries. grinds his teeth when he has the bit in his mouth. 2. Is a horse more liable to interfere
when he is thin than when he is fat? 3. Horse was turned out on pasture during June, and came in thinner than when he went out ; coat taded and dry. 5. what should I put on ?
5. How can 1 fatten a horse in two
neeks? weeks ? F. s. s. Nothing can be done, more than see that the bridle fits properly, and use plain cease gradually, as he becomes wac
ceate customed to the bit.
2. Yes ; the stronger he is, the less 2. Yes; the stronger he is, the less
hiable to interfere ; but some horsees are so formed or have such \& peculiarity of
gait that they will interlere at all times nd the wearing of a boot is all times, aused him the usual grain ration him a little to fall. If you had given nother morth, he would have done forl 4. Feed hay, rolled oats, bran and a little linseed meal, and groom well and
Do not apply anything except grooming. 5. You cannot materially alter the con-
dition oo a horse in so short a time
without injuring his constitution. Feod without injuring his constitutuon. Foed and care, as stated in the answer to the
4th question, and exerclies dailly.


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QUESTIONS AND ANSWERS.

| QUESTIONS AND ANSWERS. Miscellaneous. <br> false pretense <br> Can a man be punished for signing himself as an agent, when he swears in M. W.B. and on what charge? Ans.-Possibly as for a false pretense. Which is defined by the criminal code to or otherwise, of a matter of fact, either known to the person making it to be false, and which is made with a frauduit is made to act upon such representation. |  |
| :---: | :---: |




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Thorncliffe
Clydesdales




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GOSSIP.
The final edition of the premium list of
the Live-stock Department of the Louisi-
ana Purchose Fent ana Purchase Exposition is being issued and sent to all applicants. A grand
total of almost half a million dollars is
being ofered in prizes for live stock-the being offered in prizes for live stock-the
exact figures being $\$ 438,702.25$. It
divit divided as follows: Horses, $\$ 115,790$;
cattle, $\$ 105,106.25 ;$ sheep, over $\$ 50,000$; sathe, $\$ 105,10.25 ;$ sheep, over $\$ 47,000 ;$ poultry, prigeons
swine, over
and pet stock, over $\$ 22,006$; dogs and and pet stock, over $\$ 22,006$; dogs and
cats, over $\$ 15,000$. cats, over $\$ 15,000$.

Messrs. Alex. Hume \& Co., Menie, Ort.,
hreeders of high-class Ayrshire cattle hreeders of high-class Ayrshire cattle,
make a change in their advertisement iut
this issue ia which they this issue, in which they offiser for sale
young bulls and heifers of various ages,
the get of the champion sire Imp. Prince
of Rarcheskie Barcheskie, and others of similar
merit. This is one of the standard Ayr-
shire herds of Canada that on intelligent lines for type, conformation
and production combined, that has beed and production combined, that has been
kept up to date, and that has stoo
well well in leading competitions, winning
last year at the Dominion Exhibition at Toronto first place for young herd and
first for the young stock bull, Lessnessock Royal Star (imp.), a model of the
modern Ayrshire, second for four animals
moded bred by exhibitor, and three out of the
four prizes for juvior heifer calves, be sides a quod share of the prizes in many
other sections. of the class. The firm expect to be on hand at
this year with a good lot.

The firm of John Garuhouse \& son High fild, Ont., ranks among the best
known breeders and impors known breeders and importers of Shire horns.
The herd is headed by Imp.
Scottish Prince (84728). by Golden Scottish Prince (84728), by Gotaen
Champton, by the great show bull, Lovat Champion. Scottish Prince is
bred much the same as the champion, hred much the same as the champion,
Lord Hanf, and is a bull of good scale,
well covered with fiesh of well covered with flesh of good quality,
and his calves so far promise well,
Most of the young thin Most of the young things in the herd
are by Prince Louis, a Lancaster bull,
some of which some of which will make show heifers,
the dams of two being half-sisters to St
ve Valentine, the sire of Ruberta, the cham
The Shine mare, Laura, that has won
many honors incladiag, many honors, including silver cup and
medal at Toronto several times, is now nursing a fine stallion foal, by Newham
Duke (imp.), a. gold medal winner ai
Teke
 the Toronto Spring Stallion Show
Black Bess, a four-year-old, hy Darnley, is a thick, heavy, good mare, as is als,
her yearling filly, sired by Pride of the Morning; hut to the writer's mind, Viola,
one year old, is one of the choicest in the
 Eastield Laddie 1712 , and a very good
one she is. This firm has also es one she is. This firm has also es-
tablished a select flock of Lincoln sheep.
keef it in the house.
Castor oil is neither new nor nice, but
it is good ior many things. It will cure a cold, brighten bleary. y is clear
a Canton-flannel tongue, clear a muddy complexion. and drive away the a mues and
make the wheels go round. A dose a inonth, followed by a diet of soups,
chops, toasts, hot beverages and fruit,
will reform a bad stomach and rebuild The
The druggists a chargep ten cents a dose.
They use root bear They use root ber or pop. rt is is
cheaper and more convenient to buy an Cheaper and more convenient to buy a
ounoe and a lemon, and take them be
fore going a fore going to bed. Squeeze half the
juice into $a$ small glass, pour on to the lemon juice and swallow. Two
days later the add the rest of adys later the ugly girl will be in fine
face. Khis old-fashioned remedy is the best
thing in the pharmacopocia for pimples, thing in the pharmacopocia for pimples,
cold sores and similar eruptions. It
never fails, and it is absolutely harmless. As a cold cure, it hasn't a peer. It
will succeed after everything else fails.-

JUST A COLD SETTLED IN THE KIDNEYS. but it turned to dropsy. II WAS CURTD EX

## DOAN'S KIDNEY PILLS.

Read of This Wonderful Cure. It May $\mathrm{D}_{0}$ You or Your Friende Some Good to Know About It Mise Agnes Creelman, Upper Sinith ago I caught cold. It settled in my lid neys, and finally turned into Dropay. M face, limbs, and feet were very mud
bloated, and if I pressed my finger on them it would make a white imprestion that would last fully a minute befon the flesh regained its natural color.
was advised to try DOAN'S KTDIn Was advised to try DOAN'S KIDIME I could notice an improvement, and the one box completely cured me. I have to DOAN'S KIDNEY PILLS.
Price 50c. per box, or 3 bozen for 11 es Toronto, Ont.


WHEN YOU BUILD. A NEW HOUSE
 Keop ond thine weat dier.
and free oatalolopue. The Metal Shingle a Siding Co., Linitted

Shorthorns, Clydesdales, Yorkstires

 BELL BROS,

 JOHNGARDHOUSE \& SONS Mshanar P.o. ont, Buceme
 sirif Horases, Lincoin nir Lalcasior simen.

 WILLOW BANK BTOOK PARM Shorthorns and Luci



 Queenston Heights Shorthoris FOR SALE.
2 strictly high-class bulls, fit to head
a
any herd. HUDSON USHER, Queenston, Ont.

JOTM ORYOE \& SON

| GRUIEKSHANK <br> SHORTHORMS <br> ano <br> suropshilre <br> SHEEP. |
| :---: |
|  |  |
|  |  |
|  |  | SHEEP che



 Shorthorns and Clydesialos.
 JOHN MILLER \& SONS OAK LANE STOOK FARM, Shorthorns Cotswolds Youtshirros and Barred Rock Fowls.
 BOODFELLOW BROS., magutice PGROVE SHORTHORNS. High dabegicorch siortiorns and


 an batior tor eale

T. DOUGLAS \& SONS,



MAPLE LODGE STOCK FARM, 1854 Shorthorn inullsand Heifere woll no something VERY attractive in anolep oureo got by imported "gitanley" and bred th - A. W. smith, Maple Loder. Owt Shorthorn Cattle and Lincoln Sheep Sootch Heifers for sale: Clippers, Miss
Ramedens, Maids, bred to imported GovernorRamsdons, Maids, bred to imported Governor-
General $=28885=$, and imported Proud Giif (8ugi). They have both breeding and indiJ. T. GIBsor,

Spring Grove Stock Farm
Stortion Gattio and Lnecoln Sheep.


T. E. ROBSON, ILDERTON. ONT ERORTRERRE. Inporter and breoder of oholoo Shorthorns JAS. A. ORIEAR, shakeqpeare, Ont. Ethingide Jarm. JAMES CIBB, Brookgialo Bevier of hish-class 8HORTHORN OAT-

THOROLD OEMENT PORTLAND CEMENT

SOR BARN WALLS AND FTOORS




Estate of John Battle THOROLD, ONT. WHOLRSALE IN CAR LOTS ONLY.


E30
First-
class
Shorthorn Reifars For
Sale 9 imported heifers.
2 hthome bred heifers
These These heifers are Scotch, many of

ARTHUR JOHISTON, Greenmood, Ontario SHORTHORNS

Some extra grod young
bulls for sale. Oatalogue. ofin olhanow, lianager. H. OAREILL \& SON OAMOILL OAREL ONTARIO Hian- Shorthorn Cattle AND OXFOMD
Chass
Present offerings: Young stock, either ser For prices and particularng writect to erther se First-class Shortiorils heireng of fowsh and and preoding. Also Stropshires of diffrerent ages
 Scotch Shorthorns Herd beaded by Abooto

 GEORGE D. FLETCHER, BIMKHAM
Brooder o? SCOTCH SHORTHORAS. Our herd of breeding cows, both imported an home bred, are of the most tathionable Soct
hamilies, such as Cruickshanke, Orange Blo families, such as Cruickshanks, Orange Blos-
soms. Mysies Crimoon Flowerre, Nonparails, nd
several others, and none are more noted than

 any age, for sale.


SHORTHORNS and LEICESTERS Am offering young bulls and heifers from
imp. sirer, and the dams of the best Scotch Lemilies LEICESTEPS

 WHEN YOU BUILD

A NEW BARN

 Tho Heral Shingle Siding Co., Umitod Tho Metal Shingle \& Siding Co., Llmited

## 

 -remonas SHORTHORISS and CLYDESDALES 0 onee. Write tor particulars: Elora Sta. G.T. .R. \& C.P. R. Salem Post and Tel. Office. 'Phone connection.
cossip.
Lincoln, Shropshire, Oxford and Hampshire rams are wanted by J. H. Patrick,
Ilderton, Ont., to fill orders from the West. sue Messrs. S. J. Pearson, Son \& Co.,
Meadowvale, Ont., breeders of Shorthorns
 He belongs to the Rosebud family, also some very choice Berkshire boar pigs and
a few sows. The demand for Berkeshires
hes been has been good this year. We beli.
they are going to take the lead again."

Mr. Frank W. Smith, Scotland. P. O. I wreeder of Shorthorn cattle, writes
I well or exchange my imported kind and useful, but have had him two seasons. I still have Ringleader, which
is developing into a very choice animal,
weighing at nine months old 875 pounds, weighing at nine months old 875 pounds,
and my two-year-old heifers have calves
at foot, which, along with the older ones
 er's Advocate.' Last year's calves are
all sold, which speaks for their qualty.'
cattle-Judging at st. Louis. The
Wrorld's Fair promme of the of for the judging of the beef breeds of cattle, breeding classes,
commencing on Wednesday, Se, tember commencing on Wednesday, Se, itember
14th, and continuing each day, Sunday
excepted, up to Thursday, September
and, inclusiver excepted, up to Thursday, September
22nd, inclusive.
Fat cattle from Mon-
day, September 19th, to Thursday day, September 19 th, to Thursday, Sep
tember 22 nd, inclusive. Dałry breeds
viz. Jersey, Holstein, Ayrshire and viz, Jersey, Holstein, Ayrshire and
Guernsey, froin Wednegday, September
4th, to Thursday, September 2ned, in clusive. Other dairy breeds commencing
on September 20th.
a pig adopted by a dog
A registered bull terrier, owned by J.
Roy Tucker. Calloway Co., Mo., has adopted and is raising a registered Duroc-Jersey pig. The sow farrowed in
the barn and the bitch under the barn,
$\qquad$
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TRADE TOPIC.
$\underset{\text { Abe BeAUTIFUL BOOK. -The }}{\text { A Caption }}$ saying about the new publication on the
World's Fair issened hailway System. It is without doubt
he most artistic and beautifully gotten connection with the World's Fair. On
hie
$\qquad$
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Scoich Shorthorns \& Berkshire Swine at VALLEY HOME BTOCK FARM. For Sale Shorthorns agee, the thilez-fleshed

 MPORTED
SHORTHORNS AND CLYDESDALES


ALEX, ISAAC, ○ Cobourg P.O.and Station
 eost blood. Shearlingg and lambs bred from

 SHORTHOR " fierd numbers so with Imp


 HIGH-CLAA88 8HOATHOAN8
8 heifera, in calf to an imported sooteh bull; 6 bul

 Prospect High-class SHORTHORNS FOR SALE: 4 bulls s. from 7 to 12 months old
sired by Aberdeen Hero (imp.), 2 by Royal

W. G. PEITIT \& SONS RERHAN. oriti Scotch Shorthorns 10 head in the herd, 40 imported and 20 pare
 also importod and home-bred cows and hieifer
of the most popular type and breoding. Afow ohoice show animals will be offered. Tolophone


SHORTHORNS Rroant foringi Ran

 Sopringleld Stook Rarma Fanilly and Stockmen's Recipes

Tho Worthington Drac Co., anailah, ont Chesulutstand and in infockectroin
SHORTHORMS, ${ }^{8}$ goang palk, in hatur


SHORTHORNS FOR SALE


Rose cotros Stoon Farm shoortowns

 FOR SALE, STOCK BULL

 WI. MeDERMOTT,
j. WATT \& SON



 SHORTHORNS and CLYDESDALES


J. S. MCARTHUR Pine Grove Stock Papm. GOBLE'S, ONT Strrimens, Berishlires and Leiceaters,



7 Shorthorn Bulls of serviceable age and of present-day type 1
imp. in dam, 1 rom imp sire and dam, $\begin{aligned} & \text { from } \\ & \text { imp. sire, and from Scotch dams of suoh noted }\end{aligned}$


 ers, will produce them. write uiu. Hord num
that will
bere 75. Bull catalogue on application. R. MITCHELL \& SONS, - Malson Onto, Burlington Jct. Sta. CEDARDALE FARM, For Sale two richly-

 ITO JIORTHOR BALIEAT THEL BALIE They are from good milking strains. Write or call. Shorthorns, Coiswolds, Berkshires

 not iub


SCOTCH SHORTHORIS


 J. E OHINNICK. Chatham, Ont. Shorthorms sind lierlishires for sale
 Thee must be sold quick. Price reannable
 to the natural increase of our herd and हo many
heifers coming into milk, we mate the above heifers coming into milk, we make tho abov
oftror Sock or all ages. State what you want
and write to-day to
and
 JBRSBY CATTLE \& Rog'd COTSWOLD SHERE
Some very fine hifer, ill ages; 2 bull calves,
 BARREN COWS CURED MOORE BROS.: V. 8..
MEW YONK.

## COSSIP

 The imported Shorthorn bull, Marengo's Heydon Duke, property of Mr. W. J. Shean,Owen Sound, Ont., recently died of what $\begin{array}{ll}\begin{array}{l}\text { appeared } \\ \text { nortem a }\end{array} & \text { a wasting disease. A } \\ \text { examination } \\ \text { revealed }\end{array} \begin{gathered}\text { post- } \\ \text { the }\end{gathered}$ presemce of eighteen animal's stomach, which,
counts for his,
thinks counts
thinks t
had an months ago : but who would
diagnosed the disease an " neils."
high-Class stock at auction. Attention is called to the advertise
ment on another page in this issue of
the dispersion sale, by auction, on the dispersion sale, by auction, on
August 10th, of some seventy head of registered stock belonging to Messrs. T. T.
A. Cox and A. L. Lewin, of Brantf Ont., consisting of Hackney and Clydes-
dale stallions and mares Shorthorn Gale stallions and mares, Shorthorn,
Galloway and Holstein cattle and Berkshire pigs. The sale will take place at
the farm, near Brantford, and the Brantthe farm, near Brantford, and the Brant-
ford and Paris trolley cars run within one ord and Paris trolley cars run within one
mile of the farm. Catalogues may be ad on application to the owners, and
bids by mail or wire may be sent to Mr. J. A. Smith, clark of sale, or to the
auctioneer. See advertisement, and send
for the catalogue. We have a suspicion that this offering includes a some really
ood stock, as we know the proprietors good stock, as we know the proprietors
have spared no expense in past years in have spared no expense in past years in
purchasing high-class animats of the
breed represented, and have had good success as prizewinners at the Toronto
and Pan-American Exhibitions. and Pan-American Exhibitions.
WOOL IN GREAT DEMAND.
A letter from Butte, Mont., says there
is an unprecedented demand for Northis an unprecedented demand for North-
west wool this season. Reperestatives
of Eastern housea are scouring Montana and Wyoming, buying fleeces, whether on
or off the sheep's backs. According to reputable wool buyer, 20,600,000
pounds of wool have been secured, and the average price for upwards o
$9,000,000$ pounds was 17 cents, a prio not equalled for a similar amount in
nears. The remainder of the clips
yeat brought a fraction over 16 cents
Jeremiah Williams \& Co., of Boston, have already purchased $9,000,060$ pounds of
wool, and agents are still actively bddding, for every pound of fleece in sight. There is not an unsold clip in the Stat
that will run over 60,000 pounds, so
brisk has been the demand not waited for the depandic. Sales to begin have
not at various warehouses, but have dis-
patched mounted men to all sections of the State in quest of fleeces. Montana
will produce about $30,000,000$ pounds ot wool this season.
important sale of Jerseys. On Thursday, August 18th, as an-
nounced in the advertisement in this issue, the entire herd of 32 high-clas
Jersey cattle, belonging $0^{\prime}$ 'Brien, of West London, Ont., will be
$\qquad$
$\qquad$ ago, and has an excellent record, both in dairy work and in prizewinning at the
Western Fair at London, where, in 1906 cows from this herd won the first, second
and third prizes, the female championship and the first herd prize in strong
competition, and it is questionable whether as uniformly good a class of
cows has since been shown at London. The sweepstakes cow on that occasion,
Spot Cash's Ella, had by her side twin daughter less than eleven months old, and her shapely udder proclaimed her the
heavy milker she is. She is a creditable daughter oi the comely Island-bred cow,
Eye of Hillhurst, imported by Hon. M. H. Cochrane, one of the best ever brought
oo Canada. A number of this fine family and others equally meritorious family, cluded in the sale-daughters and grand-
daughters of the richly-bred bull, Benit. of St. Lambert, which have proved them
selves high-class producers. The young of the best of the breed in conformation and promise of useiulness, and are worthy Farties desiring to secure good family producing dairy cattle a a herd of rich


AYYSHRES S sex
 N. DYMENT, OLAPPIBON, ONT. D AND MOME-BHED AYRSHIRES
 Robtt, Huntor \& Sons, Marvillo, Ont. Farm one mile from Maxrilleatation on O.A.R FOr Sale--Ayrahiros, all ages, and oese
 BARGAINS IN FABHIONAEL

AYRSHIRES.





 AYRSHIRE HERD-HEADER.

 W. W. BALLANTYNE, ETMATFOND.



 High-Class Ayrshires


W. W. BALLANTYNE, AYRSHIRES and YORKSHIRES CALVES of dairy type and breeding, in show fit. Other ages. April pigs. November boar, several April come and see. ALEX. BUME \& 60 . Meple P. 0

1018
BARREN COW CUREIW, W. CHIPMIMII,





Riverside Holstiins

 그NIn


FARIHAM OXFORDS

 HEEMY ARKELI \& SOU COTSWOLDS

 FAIRVIEW SHROPSHIRES.




Joinit CalipbsLL. Fairview Farm. $\begin{gathered}\text { Woodville, Ont }\end{gathered}$
Ineoln Sheep and Sherthorn Gattle


F. H. NEIL, PROP



HILL HOME SHROPEHIRES Yearing rams and ram lambs by above sir
Write for description, etc , to

SHROPSHIRES




Sheep Breeders
Associations.
 Sid

## I Will Import


robert milleer

RAMS WANTED
Lincolns, Shrops, Oxfords and
Hamphires suitable for Western
trades. Must he in good condition and trade. Must be in good condlition and
price reasonable.

THE FARMERS ADVOCATE


60 Dorset Sheep and Lambs
 Shropshire Sheep and LLamlos,

For particula
W. R. BOWMAN. Monit Forest, OI Choice boars and sows of different ages at
very reasonable prices. Also a few Dorse
 - Glenairn Farm,

TAMWORTHS AT HOLSTEINS One bull calf sirer by an imported bull.
Boars fit for serivice. Sows bred and
Ros. Boars fit for service. Sows bred and
ready to broed. 50 boars and sow from
2 to 5 monthe old. Pairs not akin. 2 to 5 months old. Pairs not akin
Grafton Bta, ©. T. R. The Gully P. U.
GIEIHOLL MERD OF TAMWORTHS

 Heprasty Tamworths and Shorthorns







Maple Cliff Dairy and Stock Farm.


 fit for ervice
Hintonauna.

Ontanio
Improved Yorkshires



 reasonable
D. ©. VLATT A SON, MILLEROVIT, ONT LARGF ENGLISH YORKSHIRE $\begin{gathered}\text { Sows } \\ \text { pig, direct fie }\end{gathered}$



JAS. A. RUSSELL, ONT
TOIRIESTETRRコE
 Chester White Swine hatero boor ion
 HIGH-CLASS YORKSHIRES Imported and home hred boar: and sow:
For particulars write to
$\underset{\text { ROGRery }}{\text { R. }}$

GOSSIP.
Dunnett Bros., Clanbrassil, Ont., ad
vertise in this issue Leicester shearling vertise ram lambs, shearling ewee an ewe lambs. The sheep industry is look ng up, and Leicesters are holding thei
wn in the battle of the breeds. They re a standard sort, always improving. In passing through Norfolk County, Ont., recently our field man called at Mr.
W. S. Carpenter's Model Farm, at Sim-
coe, and had a look at the flock ot coe, and had a look at the flock o
Shropshires. They are in the pink condition, ready for the show any time
They are receiving the best of care a the hands of Shepherd Bradburn

Following is the list of judges for the Toronto Exhihition Dog Show, Aug.
29th to Sept. 10th: Dessond O'Connell, London, England, Smooth-haired Fox Terriers : Arthur Maxwell, East-
bourne, Eng., Russian Wolfhounds, Greyhound, Eng, Russian Wolfhounds, Grey-
hounds, Irish, Welsh, Wire-haired Fox,
Airedale, Skye and Scottish Terriers and Whippets, L. Farewell, Toronto, Ont., Sporting Spaniels ; C. Y. Ford, M. D., Kingston,
Ont., Collies and Old English Sheep Y. Y., Setters and Pointers: C. H. Mason, New York, N. Y.,. St. Bernards,
Vewfoundlands, Mloodhounds, English Newfoundlands, Moodhounds, English
Hoxhounds, Gireat Danes, Poodles, Dal-
matians, Beagles Dachshunds, Toy and matians, Reagles, Dachshunds, Toy and
Japanese Spaniels, Pomeranians, York shire and Toy Terriers, Pugs and Italian
ireyhounds ; H. W. Lacy reyhounds: H. W. Lacy, Boston, Mass., Dogs, Harriers, Bulldogs, Bull Terriers Boston Terriers French Bulldogs, mis cellaneous and selling classes.

Mr. R. R. Ness, of the firm of R. Ness cotland, Howick, Quebec, who visited of Ayrshire cattle and Clydesdale horses, rites: $\ddot{1}$ now have the imported
animals landed home, and all are doing
vell. 1 have made mported anemalis: To J. F. Converse \&
Co., of Woodville, N. Y. American breeders, the imported cow.
Gipsy of White Hill, bred by Mr. Wood Que., the young bull, Admiral Togo, bre y Mr. A. Mitchell, Barcheskie ; to Ja.
Cottingham, of Ormstown, Que. Cctingham, of Ormstown, Que., a fill also bred by Mr. Mitohell
young bull, alt to Howden Bros., St. Louis, Que., a goor
young bull, bred by Mr. Thos. Barr Monklands, Kilmarnock, Scotland:
Mr. J. Dundon, Quebec, Que., the in ported bull, Emigrant, and four cows. 1
have also made a number of sales of
home-hred mimat home-bred animals. Spring bull calves
are mostly all sold, but have a few fine
heifer calves lift. I have also some fine
mported heifer calves and two bull calves red from heavy-milking cows that can be
pared at right prices. My show cows
are all doing fine, and will be coming into feeding and fitting for Winnipeg Ex-
hibition. which I incend to take in."

Mr. L. Rogers, Fmery F. O., Weston
Station, G. T. R. and C. P. R. being the breeder of some excellent York(mp, ) is at the head of the sows, while
a home-bred boar, out of Imp. Dalmeny Lady Frost, hy Ruddington Ensign,
assisted by two boars, imported in dam,
$\qquad$
$\qquad$ stock lioar aliove mentioned. They ar
named Weston I Lady Frost 1st. 2nd, 3r and 4 th, respectively, and are the right
hind to produce poid-feding pigs. Mr
Rogers intended to make an exhitit at
Toronto pring pigs. Howewer, he has a bun



## All Used up by Headaches.

could Not Eat or Workpowders and Quick Cures of no Avail-Lasting Cure Obtained From

## DR. CHASE'S NERVE FOOD.

This case of Mr. Rarber well illustrates cures headaches.
cures headaches.
He tried the so-called .. guick cures first, but without obtaining benefit. It is a well-known fact that such remedien when they do hring temporary relief do force and consequent injury to of nerve Dr. Chase's Nerve Food cures by en riching the blood, vitalizing the nervee and building up the system. Headache as well as all other symptoms of an ax
hausted system, disappear before its in fluence. Its cures are lasting because it removes the cause of trouble.
Mr. O. Barber. Simcoe, Ont., writes medicine. I was troubled lor a long time with headaches, which would come on about once a week with such violence that I could not eat or do my work. which did no good. ". Ahout eight months ago I took six have not been troubled with headach sure,: It made a through and laating Dr. Chase's Nerve Food, 50 oents
box, six boxes for $\$ 2.50$, at all dealers, or Edmanson, Bates \& Co., Toronto. To
prottect you against imitations, the por-

YORKSHIRES FOR SALE From the pioneer her or the Prorinee
of quebeo. Both rexee and all agee
Satisfaction
 Gettings. Address, ${ }^{\circ}$ © Athelstan, R. Y. C.; Huntingion, G. T. R.

 ${ }_{\text {Importer and }}^{\text {Breeder of }}$ Chester White Suine Pigs shipped not alki
to each other. For Hico and particuare, OTTAWA ONT LARGE YORKSHIRES GLENBURN HRRD-upwarde of 100 Ine apring
nigR aired by imported Holywell
Hewnon. Almog
 YORKSHIRES AND BERKBHIRES, Freed Boars 2 to 5 months old, of the lons deen sided type. At hargain prices if taken foon
Write C. \&J. CARHUTHERS, Cobourg. OAt MAPLE GROVE YORKSHIRES Six May litters fromi show sows, five of the
Toronto winners, pairs not akin. Also youn and Maple Grove Vanguard at head of herd. FOR SALE-Ohio Improved Therter whitee FOR SALE largeat strain, old cest eatablished Iro
 delivery guaranteed. Addrees I. © MAPLE LODGE BERKSHIRE8
 added, and in as large numbers an ever. Have
a few, good young boars ready for service an fine sows ready to breed. Spring pigs have
come strong, and we can supply pairs not akin WILLIAA WILSON, Box 191, Brampton, Ont. FOR grake:
Yorkshires and Holsteins


エ凹＂E UエP IRO YOU to use not only the BEST，but the CHEAPEST WOVEN WIRE FENCING．

 more The Ganadian Steel and Wire Co．，Ltdo，mamitaton．
EYe our axhbltas at the Domminion Expostlion，Winnipeg．Aleo Farir at Brandion：


Patontod and Pend．Gasoline Threshing Engine．Writo for promest The MoLaohlan Casoline Engine Co．，Ltd．， 201 Queen 8t．E．，．Toronto， m or to W．C．WILCOX \＆CO．，Winnipeg，agents for Manitoba and Northwest．

## PAY WHEN CURED



If you come to me and I tell
you that 1 can cure you l＇ve got contidence enough in my treat connt to take all the chances． am curing hundreds of weak me and women every day，and I know
what I can cure and what I can＇t． If you will secure me you need not pay until cured．
Meak，Puny Men 1 know that no man remains a
weakling because he wants to． am sure that you want to over－ come every indication of early de
cay that has slown itself on you． cay that has shown itself on you．
1 don＇t think the man lives who would not like to feel as big and
strong as Sandow，and I know strong as Sandow，and I know
that if you have a reasonable Ioundation to build upon 1 can make you a bigger man than you ever
hoped to be． 1 want you to know that；you can＇t believe it，and I want you to have my book in which I describe how 1 learned that strength was only electricity，and how I learned to restore it；also I want to tell me they were physical wrecks，and are now among the finest specimens of The Treatment is Even More Than is Claimed For It
1r．McLaughlin，am glad to tell you，after giving your Belt a thorough
Wifear Sir I I it has proven to be all you said it would，and even more trut，that it has proven to be all you said it would，and even more． 1
am，very much better in every way，and feel sure I shall in time be
completely cured．Thankfully yours，Mrs．Emma Patterson，Picton，Ont． DREC BO FREE BOOK．I want you to read my book and learn the truth about
my arguments．If you are not as vigorous as you would like to be，if you have rheumatic pains，weak kidneys，loss of vitality，prostatic trou
bles，nervous spells，varicocele or any ailment of that kind that weakens you，it would assure you future happiness if you would look into this method of mine．Don＇t delay it；your best days are slipping by．If you
want this book 1 send it closely sealed free．Call for free consultation．

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Bndorsed by all the Leading Dairymen， Dairy Instruetors and Professors．

You wind up the spring that sets the padile in motion and it cools the milk
while ou sleep No more sour milk sent

 Active agents wanted in all localitioq
Onement Eas he can sell 500 in hiscounty．
Testimonials and full description on application．
MANUFACTURED AND SOLD BY THOS．RAMSAY thorndale，－－ONT．


IT＇S MONEY IN YOUR POCKIET
To use Pedlar steel Cellings．
The entire surface appears to be one beautiful combination curves and angles，without beginning or without ending－ veritable triumph of the interior decorator＇s skill． Churches，dwellings，meeting halls，stores，and offices when fitted up with Pedlar Steel Ceiling and Wall Patterns presentan
appearance of richness and stability that cannot be duplicated． appearance of richness and stabury
in lath or plaster．Besides they are economical．

When we know you are interested，well send our handsome catalo
THE PEDLAAR PEOPLE，OSHAWA，ONTARIO．
 ALL MRON Trit fron vinole Grops and of Heytane，low
 DOMINION WROUGHT IRON WHEEL CO．


Advertise in the Farmer＇s Advocate．

## MELOTTE cream separators


Standard Scales
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