## MANITOBA AND NORTHWEST TERRITORIIT



VoL. XXXVIII. WINNIPEG, MAN. JULY 20, 1903. LONDON, ONT.
No. $5: 8$
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Art
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and
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Bellolian Automatic Organs. BELL
Piano Players THE ${\underset{\text { IN }}{\text { ARE }}}_{\text {AREST }}$ design, tone, finish durability.
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## BANK of HAMILTON HEAD OFFICE:

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editorial, Sifinge
Albrata nemb an Exiermimentä̈ Färm
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orsies.-RUNAWAY Horsirs





A SCOTOH ROUP ...... ..

Chybtal City Fair
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into bundles, preventing choking and waste in the elevator. Catalog
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[^0]

Worthy of a Test. So mueh has been said about the econ-
omy of using Herbageum, that making personal test of the matter has almost
become a duty that every farmer nwoe become a duty that every farmer owes to
himself. Considering the letterg himself. Considering the letters pub-
lished in these columns and in
 be true, the feeder who does not use
Herbageum is certainly working at a Herbageum is certainly working at a
very great
disadvantage. very great disadvanage. not condemn
date, unprejudiced man does not
without investigation a plan advocated without investigation a plan advocated
by other men. A test of Herbageum ts a simple matter. Herbageum needs no scalding or cooking, and 50 c . Worth is
enough to test it on one animal. A good plan is to take the least thritty animal on the farm, and feed a 50c. package to tt. regularly, according to directions. This
will put the feeder in a position to whil put the feder in a position to con-
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indsor Salt.

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Vol. XXXVIII
WINNIPEG, MAN., and LONDON, ONT., JULY 20, 1903.

## Editorial.

Siftings.
Care is the main requisite in the management of sheep, but it must be supplemented with good

Do not neglect the ventilation of the stable on these hot nights. Keep the stalls clean, and the entilators open

Care is, in the vocabulary of the careful farm r, symanymous with good feeding and is cortined Lo no class oi animals, but is carried out with regard to every animal on the farm, including even the domestic cat.

Teach the colt to eat oats and chop. The time is not far distant when the apron-strings will be cut loose and he will have to find for himself.

If the hired man is worthy of respect, treat him respectiully. Do not breed discontent and end of the always asking him to take the heavy tempt, and often makes an eye servant of a good man.

Take a thorough look all over the farm, now that plant life is in full bloom, and locate all spots bearing weeds. Take the very first oppornine" in the case of weed-killing.

It is now time to have the binder out in the yard. Examine it thoroughly, and fix it up so
that nothing remains to be done but to hitch up and proceed to cut down the crop.

Teach the boys to show kindness to all the farm animals. It is not only a beautiful trait to display, but it also familiarizes them with
the comparative points, types and proportions of comparative points, types and proportions stitutes a grand object lesson farm, and conwhich cannot fail to be useful in after-jife

Noe that the time to overhaul the wagon racks See that all parts are entire and ready to lit in-
to their respective places. A little attention, and a few nails judiciously driven here and there now may save much delay and possibly the breahing of bones during haying.

See that the lines are without flaw arrd in a
good corrdition to stand a good pull. There will se some pretty fast driving before the hay is all tachen, and we must not forget that we shall A rothen or bad line is one of those things that are worse than useless. flowers. That is the beginning of the path wild lowers. That is the beginning of the path that montintue more useful for a farmer to be nos sesseni of, nor is there a path more pleasant fon

Alberta Needs an Experimental Farm. Travelling among the farmers of Alberta no one can fail to be impressed with the great need that exists for an experimental farm, where grains, grasses, clovers, trees, fruits-in fact,
everything peculiar to such an institution-may be everything peculiar to such an institution-may be soil of the their suitability to the climate and ately east of the Rockies. ately east of the Rockies.
done a great work form at Indian Head has Eastern Assiniboia, but the West, particularly to which its crops are subjected much from those of the chief farming sections of Alberta as they do from Eastern Canada. At Indian Head the country is comparatively of woods, and the winds of winter blow unobstructed across the prairie, while in the territory to the west, particularly the northern part of it, wooded lands are more common. The soil is somewhat different in texture, and showers in summer are more frequent. In certain sections with good success, while and clover can be grown have so far proved utter failures Head these have so far proved utter failures. The most a verage Alberta farmer does not is that tho what may or may not be grown successfully on his farm. This is by no means due to lack of intelligence, because Alberta husbandmen have evidently been endowed with at least their share, and, moreover, the atmosphere is conducive to anything but sluggishness. The fact is, the country is new and most people are slow to incestigate when there are certainties at hand suffiif clover and fall whet do. Ask some farmers and they at ance ing had no exparience but they believer, hav Some are experimenting a little on their will. count, and others have undertaken the testing of grains sent out by the Territorial Government through the Agricultural Society which is right as far as it goes, but is not sufficiently far reaching.
It is expensive for any single individual lew who a conclusive experiment, and there are nuch his nature, in which that direction. Work of benefit as well as the individual, should be under the supervision of the Government and be paid for at the public expense.
It may be suggested that Allerta is not yet farm lands not sufficient to the total value of her expenditure, but it is now and no the necessary hence that the people need informationty years ment stations continue to be profitable Experiin older countries, where they encourage the in troduction of newer and more prolific varieties of grains, etc., but what Alberta needs just now and how furm to determine what can be grown and how. Such an institution would be certain for itself throuch education, and very soon pay farms. need is doubtloss greater part of the territory the ing to the iatter being larely the south, owing, while the former is genidy beeo ranching, while the former is rapidly becoming one
solid fhlanx of homiesteads with cultivated feds The south may yet yield to the plow to fields. extent, but if maney is to be expended by arge Government in its interest. it expended by the farm done by properly conducting an irrigation

The cost of an experimental farm suitable to the present needs of Alwerta need not be exces sive. There would be no need, for some time at least, of having it conducted on such an elaborate scale as the Indian Head station. Even a quarter section, if managed in the right way, would It of untold benefit for a time.
exparime ford as too much to expect that two experiment farms be maintained by the Doyet been admitted to the status that has not This, however, should be no stumbling bloak to the proplosition. Indian Head, as the single trial grounds of the Territories, has not received any greater expenditure than has been justified; quite the contrary, and as the country is rapidly improving, and an increased outlay in this direction must be expected, let it be placed where it will do the greatest good to the greatest numas an important question, ande "regards this as an imporbant question, and one well worthy Nothing can be expected without an anda farmers. its favor. What is the opinion an agitation in that quarter?

## Harvest Excursions.

Reports have been circulated to the effect that no harvest excursions to the West will be run this year. However, we are glad to be able o state that no substantial foundation can be found for such rumors.
This year, as heretofore, it will rest chiefly with Western farmers whether or not an attempt will be made to bring men westward to help harvest the product of the fields. At present the Nanitoba Department of Agriculture are busy gathering information from the different municipalities, and just so soon as they get an approxmate estimate from the farmers of the additional numbers required, the Government will freely circulate in Eastern papers a call for harvesters, and also make provision ith tho ailway companies for bringing them with the times as will growers. There is an idea afloat that of grainthe heavy tide of immigration which owing to in upon us this season, little if any outside hed will be required to harvest the crop of 1903 . It is true that many farmers have hired help this year for eight months, who formerly only hired lor harvest and threshing, and as numbers have done this there is little doubt but that the amount of harvest help required will be less than in former years. It is also further expected that a great many of the home-seekers who have actually located and commenced breaking this Season will be able and ready to take part in
the harvest fields. All this is to not forget that the this is true, but we must home-seekers did the same, and they now haves changed places, being no longer able to help others, but have themselves joined the ranks of that large army who require additional help.

Although we believe it to bo true that owing o changed conditions less additional harvest help will be required this year than formerly, yet we are confronted with the fact that the number of farms has increased amavingly, and that although in many of the older settled districts, where for the last few years most of the soil has been tilled and where to-day less out-
side help per square mile is
the Farmer's Advocate and Home Magazine the libading agricultural journal in manitoba

the william weld company (Limitrid).


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W. W. CHAPMAN, Agont Mowbry House, Norfolk street,

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THE WILIIAM WEID COMPAN
THE WILLIAM WELD COMPANY (Limitrod),
other localities which constitute perhaps the rgest portion, and we must not forget them. will be required this year, and if such proves true it will be a good thing, for our graingrowers would suffer severely if they had to depend as fully on outside help as they have had in former years. In the East laboring men today are about as difficult to get as with us, and wages are equally high, except, perhap during our harvesting and threshing months. Crop prospects are bright; wages will hikely
be good, and every indication at present points be good, and every indication at present points
to a return of the harvester in considerable numto a
bers.

Slow Freight Transportation.
An evidence of the imperfect live-stock transleft Smith's ralls, Ont., June 20th, and arrived
at its destination in Fdmonton. July 2nd at its destination in Edmonton, July 2nd. This
is a rate of a little less than etght miles per hour is a rate of a little less than etght miles per hour
for the entire journey. If that is encouraging for the entire journey. If that is encouraging
the live-stock industiv of this country, we fail to

Some Things 1hat Are Needed

In experimmontal farm * *or Alterta.
a iew more agricultural exhithtions that are
$\qquad$

## The Hour of Destiny Passed.

The Saturday Fivening Post, of Philadelphia is out with a strong editorial appeal to the hand to Canad. with Canada overshadow the Philippine question and every other issue of foreign or colonial policy that confronts the Repablic.
The popular Chamberlain proposition and Canada's unprecedented progress have frightened our Yankee neighbors out of their Rip Van Winkle sleep regarding the great Dominion. But ike many another deathbed repentance, Uncle Sam's has come too late. Canada has p
hand to the plow, and will not turn back.

## Horses.

## Runaway Horses

One can scarcely take up a local paper without reading under the above heading the narracurred during the week. It naturally occurs to one to enquire into the cause of this. The immediate cause is, in nine cases out of ten, care lessness on the part of the driver. But there is prosser nature, which is begun in the traininis a the colt, or, perhaps, to be more correct, in the omission to train him. To get still nearer the root of the matter, and to begin at the beginning, the boys on the farm should all be taught how to handle and train the oolt. If the mat. ter were looked after with the same strict attention which is devoted to other business matters in the ordinary course of everyday life, we would hear little or nothing of runaway horses. A properly trained horse never gets far enough ahead in the "knowledge of good and evil" discover that he has the power to run away. may get very impatient and irritable in an ur comfortable position on a cold day, but his paw-
ing and other indications brings any sane drive to his side to remove the cause of discomfort be fore the animal becomes infuriated to such a de gree as to seak refuge in flight. Then if frightphenomenon, he, believing that he is powerless to snap his halter shank, or break away from his driver, may execute some fancy impromptu jig steps, with perhaps a "highland fling" or two ly down the street, while foot-passengers tumble over one another in their fright to get out of the way of the bone-breaking wheels which spit
behind him, is an action which has behind him, is an action which has been trained his acquired ideas of possibilities. With horser that have acquired a habit of bolting, however there is no remedy but the constant care, and as
nearly as possible the constant presence of the nearly as possible the constant presence of the
driver; and that should be insisted on both by the owner of the horses and the general public for runaway horses are a source of very great danger to all property and human life which may
come in their way

## Sweat Pads.

The use of sweat pads under some circumstances may lue justifiod, especially when horses have started work in the spring in good form of the principal objections to the summer. Onc that it tends to become soggy, and, consequently, increases the friction between the surface of the pad and the shoulder. It sometimes happens that by the use of the pad one can fit a
collar that could otherwise not be worn. collar that could otherwise not be worn. In this the use of the pad the draft is often thrown By the outer edge of the shoulders, while it should be as close in as possible. When an animal pets a sore spot on some part of the shoulder, it is sometimes possible to cut a hole in the pad and
thus relieve the pressure on this place until it thus relieve the pressure on this place until it
becomes healed. The main thing is to have a becomes healed. The main thing is to have a
collar fit the shoulder well. Where this is the
case there is seldom any danger case there is seldom any danger of irritation, providing the hames are properly fitted to the
collar and pulled up tightly each time they are collar and pulled up tightly each time they are
put on. It never pays to work away with a put on. It never pays to work away with a collar that does not tit, becuse an animal that
constantly experiences pain through ill-fitting
harness cannot do the same amomet of work nor harness cannot do the same amount of work, nor
do it as willingly, as would
narts of the case if all parts of the harness are rudjustht to its form.-

Diseases of the Digestivo Organs in Horses.
While it is not wise for the ordinary horseowner to attempt treatment of disease in horses when professional attention can be promptly prohorses sho causes and symptoms of the ordinary diseases to which horses are liable Some are so situated that a veterinarian is practically out of reach, and in such cases he is compelled to depend upon though a veterinarian may be in Again, even easy reach he may be from ho phe within easy reach, he may be from home when wanted,
and his services not procurable for or longer. In such cases it is well for the owner to be able to diagnose the case, and give reme dies that will have a tendency to alleviate the symptoms until skilled assistance arrives. In all cases, especially in digestive troubles, where simple remedies do not effect a cure in from one to two hours, it is much better to send for a veterinarian promptly, as the fact that the symptoms or disease are continuing, despite treatment given, indicates that the disease is serious and requires skillful and prompt treatment.
treat yourself antil the disease has reached or stage that renders successful has reached that able or impossible, and than send for improbis frequently done and the practitioner called hard names because he failed to cure an anina that was practically dead when he was called. If a veterinarian be not within reach, the owner course, has to do the best he can, and it is par ticularly on account of those thus situated that I have considered it advisable to consider in these columns the causes, symptoms and treatment of some of the ordinary digestive diseases of horges. organs are the rions, diseases of the digestive watering. When horses errors in leeding and food of good quality and allowed to liy fed on quently (the water being of seldom any acute digestive trouble is seen. it is stomach of the horse is less liable to diseose the the intestines, from the fact that the former is small compared with the volume of the latter The food is arrested for only a short time in the stomacb; soon passing on to the intestines, wher place Clace.
CHRONIC INDIGESTION, or indigestion without engorgement, occurs in or indigestion result of food of poor quality, diseases or irre gularities of the teeth, the process of dentition,
irregular feeding, voracious feeding, debility of the stomach or intestines, etc.
SYMPTOMS. .-The horse is unthrifty, his SYMPTOMS.- The horse is unthrifty, his hair
is dry and staring, and he is usually more or is dry and staring, and he is usually more or
less hidebound. The appetite is capricious, and
he often has he often has a tendency to eat filth; there is usuthirst, along with of the mouth and increased general unthriftiness. Colicity of the bowels and times noticed for a short time an hour or two after feeding, while in others giddiness, megrim, and even partial paralysis may occur.
TREATMENT. The TREATMENT.-The first principle in the
treatment of any disease, especially if of a chronic treatment of any disease, especially if of a chronic
nature, is to ascertain the cause and remove it if possible. In the majority of cases of chronic exists in the mouth. In a young horse, especialiy in his third and fourth year, when the temporary molars are being shed and replaced by permanent teeth have partially find that the emporary ones, the fangs of which have to a which extent become absorbed, but the crowns, of their fellows, have not shed, and, as a consequence, the colt cannot masticate properly. In older horses, and also frequently in young ones,
the permanent molars are irregular sharp corners projecting inwards from irregular, sharp corthe lower row, and outwards from the outer nargin of the upper row. These projections irritate and lacerate the tongue and cheeks, and who prevent proper mastication. Any person horses in this respectention to the mouthrs of such conditions expect, has no idea how often have the teeth attended to. All horses over five years old, and often younger animals, should have their teeth dressed every year; hence, if a horse is suffering from the disease under discus-
sion. his mouth should be carefully eramind and if not mouth should be carefully examined, look for. 11 the mouth be all right whould bust ook for the cause elsewhere, and if possible re-


STANDARD-BRED MARE, CASCADA.
Bred by Gray Bros., Roche-ter, Minn Sire Hamdella (2917) ; dam Star of the West 666. With
propkrty of geo. m'nolty, btrathcona, alta
weakness, a moderate purgative, say six to eight drams of aloes, according to the size of the aniis well to prepare the horse by feeding bran only or about twelve hours before administering the purgative, which can be given either in the form of a bolus, by moistening the drugs with treacle
or soft soap, shaping it like a cylinder and or soft soap, shaping it like a cylinder and rapping in tissue paper, or by mixing with drench. Feed nothing but bran, and give water often and a little at a time (in cold weather it is wise to add sufficient warm water to remove
the chill), until purgation commences, which is usually in about 24 hours ; then feed lightly un-
the til purgation ceases. Follow up with one dram each, bicarluonate of soda, sulphate of iron, genin damp food or as a drench, mixed with a pint n damp food or as a drench, mixed with a pint
of cold water. If this treatment fail, give two drams muriatic acid twice daily, in half pint co
water, as a drench.
vater, as a drench.

## Stock.

## Special and General Purpose Stock

A A. Eood deal of discussion has been provo oked ahen by individuals as to the merits of special ,urpose took on one hand, and of tual or gen-
 tandpolnt of the breecer's skill, special-purpose look reprosents higher gain and hieher attain-
 Wesilutpurpose stock is the more highly doveloptreding skili beginning at the commonylace tarting shoint of the dual or general purroses
 Wrript and featureless material. The existence
 Wes. vi, therates in other arts as they iro her illustration of the law that is displayed in of specialization of function. Assiming
hie common ancestry of our horse is no the draft horse and the trotter fre no not
the drate
 ast. and the Spanishate the same kinkl on onglish breeds of
It may be said that of the two elasses
It orses both possess traft of and speed propser-
also that all catte are dual purpose to
axtent. and that the same is true of sheep. also that all cattle are dual purpose to
axtent. and that the same is true of shere,
montrast, however, between the diferent
ns is so great that it vers decidedly illus-
and two $t \mathrm{taskn}^{2}$,
better is reason the duty he can do best by it will be if there is no division of labor. The existence of special classes must be regarded as a good, and the recognition and utilizing of these
differences ordinary wisdom. This is the theoretical side. We have them, and having them is
a good, for the measure of their fitnocs a good, for the measure of their fitness to sur-
vive, and the reason of their survival is their utility.

As in many other matters, practice and theory do not here universally agree. It must always be conceded that the economy of producing a
particular commodity rests with a particular class of animal : of beef, with the beef classes of cattle; of milk, with the milkers; and so on.
There is always another factor that cannot bo There is always another factor that cannot be eliminated with the producer, and that is the
factor of demand. The cordition of the farmer too, is unlike that of most producers or manufacturers. He is a jack-of-all-trades in many ways. His business is not capable of the same
organization and division of labor, even an a large scale, that most industries are subject to. He is teamster and horse-breeder, dairyman and cattle-breeder, shepherd and agriculturist combined. His horses are gemerally not sufficient in
number to make it possible to keep both drafts and drivers, and a general-purpose horse may fill the bill better for him. He may find it profitable to breed more horses than he uses, and put
in spare time shaping up an occasional one for sale. He may not be near enough to a city to enjoy a steady demand for mill all the year round at a good price, but he may enjoy a fair
general demand for milk products, suoh as butGiven two men

Jersey steers make very poor beef, and a beefy Shorthorn or Polled Ang us
would not make an ideal village milkcow. Pure Merino mutton tastes too
sheepy, and the fleece of the greedy Eng would not bring the wealth of the Merino where mutton was
nothing and fine nothing and fine
wool everything. By these ex-
amples the induction is easy that
specialization specialization is
very prominent ture in live-s to classes, and that means sprecial ion ity. It must fol-
low infallibly that this condition is an economy. It corre-
sponds exactly with the division of labor
among men in the mechanical arts, and sign of efficiency for sign of efficiency for
the ends in view. beef. In such a the special demand lieing absent, $h$ he
would be a loser on the beef side if he kept a special milk
class of catte
he he would not be
distinct gainer the milk or but silde. The best position of of the farm tion is to be gather The ranges or most and anctly suburban lated districts ard given over to beel
The dairies are just on the fringe of the
cities, and the farm or is between them. on his interests are
comewhat split, or
$\qquad$
towns of the ranching district it just happens
that the beef business is so fashionable that that the beef business is so rashionable that
dairying is left to the few, and is highly profitable near the cities; likewise, the convenience of the beef that is grown near the city gives it an enhanced value to local butchers, which all goes
to show that profit is a matter of opportunity The nhow that profit is a matter of opportumity. cultivated, and is adapted to the concentrated feading that is necesiary for making pork. Porkmaking, likewise, fits in well with certain phases is the best possible market for pork in all our Western ranch towns. The advantage arises irom demand rather than facilities for its pro-
duction. The ordinary farmer seems to be in duction. The ordinary farmer seems to be in a
middle position, enjoying ordinary facilities and ordinary demand.
It is this condition that has given rise to the cates of the dual purpose cow seem. The addvoimply the existence of a cow as good in two respects as the special purpose cows are in only one. This, of course, is a mistake. The fleshmaking and the milk-secreting processes must ob-
viously be opposed to each other as simultane processes, and the development of one has universally been accompanied by the suppression of the other as a constitutional tendency. This does not mean that a given grade of stock could
not be simultaneously improved by selection and breeding as to both fleshing and milking qualities above the cordition they were in when im-
provement began, but simply that you cannot carry two features to she simply that you cannot
single animal perfection in a single animal as you can one. It must be said, however, that it is possible to select from exist-
ing stock families that will suit the ing stock families that will suit the species of than others will. The Shorthorn is essentially a beef animal, but there are certain straing with good milking qualities among them. Such ani-
mals as belong to this class will do fair work as mals as belong to this class will do fair work as
dairy animals, will fatten up aitter their usefulness is over, and will produce steers that will make good beef and will not have to be knocked pure dairy herd. the Jersey malo calves. of a
The question of equipment is an important
one likewise. A dairy plant is more or less one labeewise. A dairy plant is more or less
elabecial, and its management a matter of some skill. It is not always possible, either, to reconcile ordinary farm needs with the
demands of the dairy in the matter of labor and attention.
Probably the consideration of the dual-pur-
pose animal is more important in the pose animal is more important in the case of
cattle than it is in the case of sheep or horses for the farmer, but there is something to be said Wor the farmer, but there is something to be said
with respect to each. Our dairy anld beef prod-
ucts are much ucts are much more important than our wool and mutton products, but there is the same gain
in being susceptible to general demand and genin being susceptible to general demand and gen-
eral conditions. In Canada our sheep are practically all English sheep, and so we feature the mutton side of the business. Most of our mut-
ton is sold as lamb: that is, of our farm mutton is sold as lamb; that is, of our farm mut-
ton, but there is early lamb and late lamb. We have a special-purd se sheep for the early lamb
business, which will doubtless receive better recogbusiness, which will doubtless receive better recog-
nition with the growth of our cities. This is the nition with the growth of our cities. This is the
norset. It is like the special dairy cow in being a good sheep for good lands near the good markets for tender cuts in the large cities. Out-
side of this there is not any special-purpose sheop

hendre rotal albert 19686
Shire stallion. Winner of first and champion prizes at the Royal Agricultural Society's
the property of lord llangattock.
among our Canadian classes. Wool is wool, and
it is nothing more. it is notuing more. LLamb is lamb, and any of
our Canadian lamb is easy to take. There is. our coanadian lamb is easy to take. There is,
of course, a species of specialization possible de-
pending on soils, but none no pencing on soise, but sone on markets so for far as
breeds are concerned. The heaviest plains sheep breeds are concerned. The heaviest plains sheep
should not be put on the hills, while on the should not be put on the hills, while on the
other hand the hardy middde-woolled or upland other hand the hardy middle-wolled or upland
breeds will do well in either the hills or the
fields. tietds. There is a tondency, which is or eneral
rather than being confined to particular localirather than er ing confined to particular locali-
ties, to prefer light or medium quarters aadd cuts ties, to profer light or medium quarters and cut
to heavy ones. This may be to sonie extent
 middle weight breeds have earned the credit o having a more mixed and finer grained meat thar
the coarser breeds have.

## The Sheep's Mouth

The inclisor teeth in the sheep are situated only on the lower jaw, just as they are in the sheep get is important to understadion of the mouth is the best index of usefulness of the sheep. The mouths of the ewe flock shoutd he
gone over in the fall, when they are being culled gone over in the fall, when they are being culledt
and selected for the breeding season.
it is is not and selected for the breeding season. It is not
difficult to know the age of a sheep up till foul years at least.
When a lamb is dropped it generally has one
pair of incisor teeth showing in the lower jaw pair of incisor teeth showing in the lower jaw.
Sometimes there are none in sight, but all the incisor teeth appear in the course of a few weeks They are eight in number. The first teeth of
the lamb are only temporary. They drop out the lamb are only temporary phey drop out every way than the permanent ones. The per manent teeth come in in the same order as the lemporary ones, from the center of the mouth
putwards. When the sheep is one year old the outwards. When the sheep is one year ord the
center pair of temporary teeth drop out, and are center pair of temporary teeth drop out, and are
succeeded by atstrong, broad pair of fine tooking
permment teeth permanent teeth. By two years old another pair
 ener pairnes, bat take some time to come up
the frist one
ven with the center pair. The same thing take place the third year, so that by qhe time the
sheop is four years old hit has all its permanent sheep is four years old it has all its permanent
teeth, or is said to be full-mothed. Some times, particularly with regard to the first pair
of teeth, there is considerable variation. Highof teeth, there is considerable variation. High pair before a year old, and sometimes have twd
pair before eighteen months old periods between each succeeding lot of teeth and the one before it shortens with the age of t
sheen. There is not a full year between then changes. For example, the first pair comes in at about a year old, or perhaps formesten
months: the second at a year and nine months: months: the second at a year and nine months:
the third at two years and six months: and the the third at two years and six months, and the
fourth at three years and three months. It is
still a sate rule, however, that a sheep with a still a safe rule, however, that a sheep with
full mouth is four years old. Once the mouth is complete the decray begins,
The usefulness of a shoep's mouth varies with the
 early improved sheep, which are distinguishod by
early maturity or by delicacy of any sort, are tlers, slow growers, or as the later improved
breeds. Then if a sheep has fed on short pastures and on gravelly land its mouth shows
wear and breakine sooner that it would if it had grazed is hart to tell the exact age of a sheep after four years old If the last pair have lost
their new look, their chisel edge, and show some the wearing with the three older pairs between
them the ewe cannot te under five The center
teeth show age by their teecoming narrower, and hy spaces showing between thent, particularly
towards the roots. By observation and comparison it is prossible to make a good guess as to
Whether a ewe is nearer to four than she is to
night has reached eipht one or both of her center in-
cisor teeth will the missing. nud sonuctimes the
whote

 breeding purposes is lessenced the the loss
teeth, for the reason that she caumot ,ather foob
lor her own sustenance Cor her own sustenance as well abl hefore anil
certainly she would not be able to supper wasticative and digestive machinerr hevink i, it is desirable not to part with on account
their blood and proved excellence as armeders
 iaw, but a knowledge of their growth is
little practical importance.

## Our Scottish Letter

In spite of the heading, this is being written Society of England, at Park looyal, near old London. This new verture of the grent national
society has been rendered necessary by a wide variety of reasons. For more than sixty years meeting that is, ${ }^{\text {a }}$ a show at a a alled a country
given center throughout England. For the purposes of this
migration the country was divided into districts The plan followed for many years was this: The councll announced that the show of a given yea woutd be held in a given district. Each of these
usually contained several great. usually contained several great centers of popu-
lation. For long there was keen rivarry botween such centers for the honor of entertaining the Royal Agricultural Society. On a date towards he close of the year, the Council of the Society met in London, and the competing municipalitied
vere heard through their representatives center was chosen which offered the greatest inducements in respect of suitable site, contribuof visitors. By and bye the selection committee found its work increasingly difficult on account of the rapid growth of the yard, and the consequent mpossininty of securing sites within a reasonable
distance of the railway stations
In 1900 the honor of entertaining the Royal Agricultural Society for 1902 actually went a-begging; no muniCipality seemed to care to have it, and had not what might have happened The socioty tost inmense sums by some of its shows socty lost fartly due to excessively bad weather in one or in all. At Killurn, not very far from the present site at Park Royal, in 1879, on account of
continuous bad weather, the loss amounted to £22,000; and at Maidstone, Kent, a few years ago, the loss was over $£ 6,000$. On the other
hand, at Cardirf in 1901 a big profit but this, on account of bad weather, was aguin lost at Carlisle a year ago. Taking its shows all oss rather forty or fifty years, the Royal made were invariably made when the camp near to London. This fact has caused many members to view with grave apprehension the new departure in purchasing a permanent site are to be justified. This is the third day of the show, Although up to the close of the preceding week there had been a succession of deluges days before the show opened, and there has been a succession of days of sunshine and warmith. in quite an unusual degree. . Hatronge of royalty
He Trinco
of Wales is President quite a long time he returned again yesterday, and spent nearly the whole day in the yard, and returns again on
 noon, in addition, we had in the afternoon their
Majesties the King and Quee aith Majesties the King and Queen, with H.R.H. the
Princess Victorin royalties; yet the board announces to-day of the total attendance of paying persons way that inside of 13,000 . To-day (Thursday) was only
promise no better. The protinse no better. The fact is that London
does not care The display of stock is fairly good.
Bhetter shows have certainly been seen on former occa-
sions at the migratory country meetings of the Royal. The horses come first in the catalogue
but they tion of the show. A few good liunters lead ace class, and the Hackneys, although few in num-
ber, are of excellent merit. The champion stallion and mare are both got by the famous
Garton Duke of Connaught 309.
The mare Mr. Livesey's Queen of the South, a phenomenal animal in respect of shape and action. She can
and does walk and trot wonderfully well ; few Messrs like her have been scen in our time stallion championship with St. John, which re centy won at Edinburgh. He is quite a bold
performer. The Harness classes contain some splendid horses. The lovely animal, Forest Winner in his class, but, curiously, did not get the
championship. He is a mascificent those who like that kind of nction stepper, and never seen a better, Riiding and Polo panies
were the best section amonr the Shetland ponies made a great display. Clydes hampionshins moderately represented. Both Viz, Messrs. A. \& W. Montgomery's Maron's
Style and Mr. Thomas Smith's practically un-
heiten three-rear-old filly. Royal Rulby. Shires whe, as might have been expected. Hore numper-
Mus They were quite a good lot and were par-
of draft horses in harness this forenoon; they numbered more than a score, and included a large selection of big Shire geldings, such as one
sees at work on the London streets. Very of them had good feet, but they had nearly few magnificent tops and ribs. The winner, a liig
roan of the old Fen type of Shire, is a great roan of the old Fen type of Shire, is a great
horss, with fairly good feet and a really good horse, with fairly good foet and a really good
walker. He travels woll, and deserved to
win easily. The second was a brown horse with
good ribs but very bad feet and nasterns good ribs but very bad feet and pasterss. The
third, a bay horse bred in We wes class specimen of the cart horse. Was a lirstwalk as well as the first, and is short enough in his pasterns, but. we liked him rery much as good, serviceable cart horse, with wearingslike
limbs and plenty of weight. limbs and plenty of weight. Clydesdale n)
must do more to keep the lorry in view horses shown at London this week, with the The ception of the Messrs. Montgomery's first-prize horse, are too narrow and gingle type of cart Weat the Shires hollow for feet and limbs, can all that can well be without forgetting altogether that a Clydesdale is a cart horse. In
this connection 1 may call attention to two shis connection 1 may call attention to two good week by Mr. Wm. Colquhoun, Mitchell, Ont., and Mr. Hobert Ness, Howick, Quebec, two faithrul exponents of the Clydesdale cult. The horses
shipped by Mr. Colquhoun are thick, wide short legged specimens of the real cart horse shor They are certain to attract attention and sall well in Canada. Mr. Ness continues true to his horse, with some thick, shartity of feget and round-ribbod
himbst ore
has done well with that class in the past, and
what what he has shipped this week will not disapoint his patrons.
The cattle departinent was by far the best in
the show. The Shorthorns end Hereford a grand exhibition, and were well worth made long distance to sce. The Shorthorn bulls were Championed by Mr. John Handley's dark roan,
Pearl King 79531 , three yoan hearl King 79531, a three-year-old from Green-
himhorpe, which won champion honors at Dublin. He won as a two-year-old last yaur IIe is a lengthy, straight bullu, with a beautiful
top line. Perhe top line. Perhaps he may be a little lacking
in depth. The second prize winner in tha in depth. The second prize winner in the same
class. Mr. Wm. Bell's Baron Abbotsford 76087 is also from the north of England. He is four-year-old, and stood in the same position is a last
year. He is of the scone Sear. He is of the Scots type, his dam being
ihe famous Duthie cow, Lady Clara III Mr
Denne
 short, deep white bull, C.I. V. Class, 80707. Lith the
Polwarth showed a Polwarth showed a real old Booth type in the
immense animal Royal Cardigan immense animal Royal Cardigan. He was placed
fifith, and there as it called attention to a class of animal which there can be little profit. Between the
little white bull CI V is a groat gulf, and they were happily divided i the prize-list by a very nice red bull, Stoney toun Archer, from Mr. R. P. Cooper, Shenstone
Court, Lichfield. quite as strong a class two-year-olds were not bull was Mr. J. Deane willis'
Bapt
Iovely and a noted winne of the best in the country, reserve champion. The Shorthorn was also the of the
 White, by the celebrated 800 -gs. champion bull
Royal Duke 75509 undinary scale, and very deap in herier of extrà
 Kiblean Whit with his first-prize cow in milk Kinhean White Heather, bred by Mr. J. B. Man-
son. She has been a regular winner
and breeder, and is a genu. regular winner an
cellent females were show ind cow some exMr. Jeremiah Colman, Gatten Park, Norwich Miny were bred by Mr. Atkinson, overthwaite,
Milinthorpe, so that the north of England w, making an unusually good appearance at this
how. These Overthwait andand Cairo 72151. A singularly handsome yoarling neifer was shown by Mr. Josep Harris, Calth-
waite, Carlisle e-the owner os Maining Bates herds in England. This winner sive 77506. her th and her sire was Prince PenCumberland 4th 4 to3o2. When by the famous Duke of The Lincoln Reds are a ty
le which have been bred to of Shorthorn cat recognition from the They have at length won They are a thrifty good sort, combining the production of beef and milk in quite a unique Lincoln, were first with a grand big bull named The Herefords, as usual, attracted a vast
 The Shorthornas that is, Laking them all than hip with the two King had the male champion


owned by Jas. tough, mbonton, alberta.
the reserve being Mr. Peter Coats' Holmer 22290 , from Clifford Henford. The female champion was Mr. Thompson's two-year-old heifer, Bonnie Mary. Devons and South Devons were not as strongly
represented as they have sometimes been in past years, when the show was in the south of England. The former are well known; the latter are a taller and bigger race of cattle, a little high on the leg, but carrying much wealth of fesh. English territory, and this year they made a very strong exhibit at this show. The numbers
shown were quite unexpected so far from home, shown were quite unexpected so far from home,
but the black polled breed is very popular in the south. The championship of the breed went to
Mr. T. H. Bambridge, Eshott, Felton, for the Mr. T. H. Bambridge, Eshott, Felton, for the celebrated bull Maramere 18160 , bred by Mr. Mcmous Delamere. The reserve was the first-prize two-year-old bull, Mr. W. B. Greenfield's, from Haynes Park, Bedford. This bull is named Quinton of Haynes 19773, and except for a little
plainess in the head and weakness in the hocks, he is perhaps the best bull of his age seen for a long time. The best female of the breed was
Mr. R. W. Hudson's Efulgent of Danesfield 28617 , Mr. R. W. Hudson's Effulgent of Danesfield 28617, a four-year-old cow, and a very good one. The
reserve was Lord 'Strathmore's first-prize yearling heifer, Vintage of Glamis, a bonnie one. She Was followed in her class by a nother heifer from
Alamis, named Etotic of Glamis, which may yet leat her. Galloways have not often been as numerous Stephens, Cholderton, Salisbury, was first with Jasper 8162 a good strong bull. Mr. John
Cunningham, Tarbreoch, Dalbeattie, had first and econd for bull stirks; first and com. for cows; and second and fourth for heifers. The Duke of Buccleuch, Sir Robert Jardine, Bart., of Troquhain, New Galloway, were also prizeevinlers. The bull owned by the last named, MacKenzie of Kilquhanity, was placed third in the ld class, and is one
ow a three-year-old.
Ayrshires are far from home and not at all numerous. Those forward are, however, quite
aatisfactory. Mr. Andrew Mitchell, Marcheskie, atisfactory. Mr. Andrew Mitchell, Barcheskie.
Kirkcudbright, shows most, and is successful Kirkcudbright, shows most, and is successful
with a very good cow in milk, bred by $\mathrm{M} \mathbf{r}$. Wobert Woodburn, Holehouse, Galston. Mir James Howie, Hillhouse, Kilmarnock, shows a
ot of good stock. His wimning bull, Not Like$y$ of Hillhouse 4469, has never been beaten. t.-Colonel Ferguson Buchanan, of Auchertorlie, is the other exhibitor of Ayrshires. He has tuken a first prize.
25 th June, 1903.

## Hints to Beginners.

## 64 hrending beef cattle, the points upon which

 Simmld lay most stress are: first constitution vithout losing sight of quality sive we call we must have constitution. To lead .. Show, or get the top price, we must havenuity, and then the larger the better. I would (II) any young beginner, in speaking of ShortDon't be led away by any color craze.
white and roan are all good colors. If you
(1arting to bread Shorthorn cattle White and roan are all good colors. If you
tarting to breed shorthorn cattle, go to
reliable breeder and try to select something reliable breeder and try to select something
to begin with. Feed them well. and bree.
good cattie will come to you to buy anmals to improve their herds. Aim to oreed to the thick-
fleshed, short-legged, good handlers. They always do well. Do not lose sight of having the aged if all good milkers, and do not get discouryour standard. If you get a sire that does not suit your females, get rid of him and look Tor stock. You may not make any money, but you will learn what will be worth money to you later on in the business.

## Stock-judging Institutes.

The first series of meetings held in the North wast Territories for the purpose of giving practiSaturday, June 27fh, under the supervision of Mr. Duncan Anderson, Rugby, Ont. At Medicine Hat, Olds, Ponoka, Innisfail, Red Deer and La-
combe, a good number of stockmen and farmers combe, a good number of stockmen and farmers ture. At the three latter places the largest meetings were held, at each of which about one and a horse were used at each meeting, by means and a horse were used at each meeting, by means
of which the desirable and undesirable qualities were pointed ou
In contrasting the two classes of cows, it was
shown that while the valuable parts of the beef shown that while the valuable parts of the beef
animal were above, those of the dairy were below. Without a good udder and well-developed milk veins, it was impossible to have a first-class dairy
cow. In the beef, it was necessary to have cow. In the beef, it was necessary to have a
large development of the most valuable parts, and these were to be found on the back or upper portion of the animal. In each case, constitution
was required, because without it the highest. funcwas required, because without it the highest func-
tion of the organs of the body in their effort to transform forg into either beef or milk could not be carried out. With the heavy horse, Mr. Anderson impressed upon his audiences the necessity ticular. "No foot, no horse," was an old maximum that should never be worgotten. A clean, sinooth, flat bone was always best. He
deplored the fact that many inferior statlions were coming into this country of late, as the result could not fail to be disastrous to the future of our horse-breeding industry.
The "Farmer's Advocate"
The "Farmer's Advocate", is gratified to know of Agriculture to hold meetings for the purpose of giving instruction in live stock have been so
successful, and that Alberta farmers have shown
agricultural education of such importance The
result of the stock-judging demonstrations held in Manitoba last winter led us to believe that the as anxious to receive good practical instruction in live stock as any place on this continent, and the outcome of the meetings in the sunny territory of the West makes it certain that this feature or agricultural education must not be neglected in
future

## Stock-raising in B. C.

IIN゙ANTAGES OF THE LOWER FRASER VAI HME FO
STOCK
When we come to take into consideration the smallness of the area of the British Isles, it al most passes comprehension to find that it has been the cradle of the live-stock of the farm, and
still continues so to be. Divergencies have arisen, and will doubtless do So again and again, but the fact remains that to heep up the true symmetrical type of the animal, recourse must be had to the parent strain
from the home of original production. In dis cussing this subject it might be profitable to con sider whether that portion of British Columbia called the Lower Fraser Valley does or does not closely thiose portions of the British Isles from which have sprung the progenitors of nearly al the live-stook of the farm, and of which the Anglo-Saxon race is so justly proud.
The answer, to my mind, can only affrme answer, to my mind, can only be in the Columbia must sooner or later become the cradl ior animals which will rival those of the mothe
country in type, size and quality, anid thus make country in type, size and quality, and thus mak other portions of the North American continent other portions of the North American continent
where long, rigordus winters prevail, coupled with extreme debilitating heat in the summer, to blood wherewith to keep their animals up to the original type of excellence. It may also follow that the Australasian colonies will find it to
their interest to do likewise. The immutability of impress of soil and climate on both man and least is a stern and unalterable decree, which must be adnitted by all who are not wilfully blinded by prejudice. In the not very distan
future, British Columbia will be an impontant fector in the protuction of the livestock of the farn, in its most superlative excellence. Hitherto farming in this Province has had but little foster it, but the time has come when imperative necessity demands that it shall receive the atten-
tion and assistance its paramount importance tion and assistance its paramount importance
warrants. The laissez faire of past covernments has gone, never to return, and the urgency of the agricultural potentialities of the Province wil not admit of any further dolce far niente business to prevail, but requires that a strenduous
forward policy of active development be inaugurated on very practical lines
The development of agriculture in British Columbia is the pressing necessity of the moprogress, either by implication or overt act, is a direct enemy to his country, and should be treated as such. The lumbermen, the canners, the mining men and charter mongers have one and all ex
ploited the pullic domain of British Columbia to an unwarrantable degree, and in many instance to its detriment, but the time has now oome for
the farmer to claim his rights and privileges, and the farmer to claim his rights and privileges, and The first right of man is the right to live, and as the land is the heritage of the people, be queathed by the Almighty for man's subssistence
with the proviso that it should be cultivatedrio with the proviso that it should be cultivated-for
only by the sweat of his brow should he live-


Wegre herd of shorthorns at edmonton exhlbition jult ist, 1903 owned by p. talbot \& bon, lacombe, alberta. (sek gosbip, page 797.)
therefore to abrogate those laws is flying in the tive and good sheep. R. W. Hudson was also
face of Providence, and if continued will sconer successful winner in the class for yearling ewes
or later bring or later bring disasster in its train.
Oh, it ther, not some petiot tin whose power Ot thesing thousands, thousands still unbor
 To cheor diejecoed indutsty-t onfo A daublo harverest to the pining swent In conclusion, permit me again to state wit all emphasis hat the soit again to state withe
Lower Fraser Valley oo british limatu oit the
Columbin Lower Fraser Valley ot British Columbin aro
far more eminenty
fitted
for the Tar more eminently Atted for the prombtian
the livestock of the tarm in the the livestock of the farm in the greatest per-
foction of execlence than any other portion of the Dominion of Canade. Canan any other portion of the of France and Germany are about 9o,
while the while the area on which they exist is identically Trudy it is time to be up and doing, that the stigma cast upon Canada by Mr. Carnegie may

Vancouver, b.
The Royal Show. cattle, sheep and pigs
Eighteen brouds of cattle securred classification Lhis year at the Royal Show, and theyssicate man
ontry of por. it will therefore be seen in the
 the barest recognition of the dififerent breeds could
be given. In tact, some of the minor breeds
In be given. In fact, some of the minor breeds
have had almost entirely to be omited SHORTHORNS, the most cosmopolita wo have took prococenconoin in the comotalitanue. areed


 curod the amards in the old bull class, artor a
keen competition between the two frirst named,

 ton scoptre, a yeariina bull of consideratole merit
Amongst the female section the leading winners Amongst the female section the leading winners
includuded His Majesty the King, who took champloon honors for sylph, a two-yearold daughter of Royal Duke the champion bull at last year's
Royal, Mr. Wiils, with White Henther theint

Trand tof they wero. Their fine form and hen" titul festh, with
them atractive appearance, gain oed for
for them at considerable company of admirers. His
Ma eipety the King took leading hanori section with the very fine two-searold Pire King. tho won the male championsthrp. The female
 tonnir Mary, avery fine and typical two-year-old
hifer; the Earl of Coventy being second and third; whilst in the yearling heifer class mr. Richard Green was first and His Majesty the
King second and third. THE ABERDEEN-AN
Canada, were here represented with 47 entrie and the champion prize for bulls went to the English breeder, Mr. T. H. Bainbridge. Another Engish breeder, Mr. R. W. Hudson, took simil honors for females. The Earl of Strathmore
the Earl of Rosebery and Mr. L. H. Macpherson were also amongst the competitors
entry, were well represented. Mr not large entry, were wiol represented. Mr John Cun
ninghiam, Sir Robert Sardine, the Duke of Buce

The had has ine BREED, so far from its
home, had an enty of 17 , which though small was excellent, Messre, James. Honvo. Lt. Loll
Buchan and A. Mitchell being the leadint wint The Jerseys, with an entry of 186 head. made a marvellous show, and from what we can
gather gather by study of the pedig reas of the winners,
we find that they represent nractically the whol wo fnd that they represent practically the whole
of the loading straine of successful blood at the presont time ormed id on of those typical representrations of or Pi
breed which breed which renders the Royal Show of England so very valuable and instructive to the foreign
and colonial buyer, tor he there has an ,ulpor,
 lerent breads, and hoe

small one, the leadiu | small |
| :--- |
| broeds. |

## SHEEP

There has not been so inclusive a schedule it
sued by the Roval socity suod by the Royal Societs since its Windsor miee
ig in 1889 , as that which was issurd
In conce tion with this show, so far as

catalogue was that of
OXFORD DOWNS, and here we ma
that Mr. J. T. Hobbs won first prize,
outstanding before all their competitors in re- skeins), 1 check reel (for winding yarn into
spect to type, character and quality of fleece. knots), 1 wand (willow) basket.
Mr. C. Adeane was second in each class, with
Mr. A striking feature of the conducting of the Mr. C. Adeane was second in each class, with lambs of very notable quality, whilst the third
place was filled with two evenly-matched and very typical pens from Mr. E. Ellis' flock. The ewe lamb class was a very capital one indeed, Mr. C Adeane winning with a beautifully matched trio, next coming a fine and well brought-out' pen from
Mr. E. Ellis' pen from the Pagham Harbor Co.'s flock, which
for quality of fleece, typical character of wool or quality of feece, typical character
and mutton, were quite as good as any.
In the small lot of Shrophires
In the small lot of Shropshires shown, Sir P R. P. Cooper taking second honors in each class ity. wrole of the exhicits being of very fine qual lasses for yearling rams and ram lambs, Mr. A Horssoy for ewes, whilst a new exhibitor, Mr. J. sheep indeed. Mr. W. R. Flower won first and second in
each of the Dorset Horn classes, with very merieach of the Do
torious sheep.

Human and Bovine Tuberculosis Berlin, July 9.-The Berlin Medical Society Kossel, of the Imperial Health Office, report the results of the prolonged experiments of the tuberculosis commission in infecting calves with human Prof. Koch's observations, prior
o the celebrated London address, caused the to the eelebrated London address, caused the systematic experiments. The commission's in-
vestigations cove vestigations cover three forms of introducing
tubercle bacilli in calves: first, subcutaneous injection ; second, in food ; and, third, by inhalation. The preliminary report covers only the
irst form, but the experiments with the other first form, but the experiments with the other
forms continue. The experimentation covered forms continue. The experimentation covered
32 separate cultures, twenty-three from adults and sixteen from children. The results were that nineteen calves subcutancously treated did not
show the slightest effect; nine showed after four show the slightest effect; nine showed after four
months the slightest changes of condition, and thonths the slightest changes of condition, and
seven showed more marked symptoms, but the propagation of tuberculosis in the body did not
occur. On the other hand, four inoculations occur. On the other hand, four inoculations
from tuberculous childran infected calves with a disease which resembled a weak type of animal consumption, and two of this number died from tuberculosis. The commission summarizes as
follows : The series of experiments strencthens follows: ". The series of experiments strengthens
Prof. Koch's view that bovine consumption, as the cause of human consumption, does not play the role generally attributed to it, but d
judgment
requires further experimentation.'

## A Scotch Roup.

An old-time reader and friend of the "Farma copy of an auction sale bill or farm stock, im-
plements, etc., issued in Scotland in 1832, with permission to publish such parts of it as may be deemed expedient in order to present and explain
the names by which in the vernacular of the district certain classes of farm animals and domestic utensils are known. The bill sets forth that on
the farm of Blindhill Bush certain animals and the farm of Blindhill Bush certain animals and
utensils belonging to David Graham will be sold by "Roup" on April 18 hth, 1833 . A judge was
appointed to act as referee in case of disputes appointed to act as referee in case of disputes,
and to enquire into the financial standing and
ability ability to pay of the buyer, if he claimed the
time limit allowed for payment of sums over $£ 2$. Among the rules and conditions of the sale is the following: ". In case of the buyer failing to
find 'caution' (security), it shall be at the find 'caution' (secure o, it shall be at the op-
tion of the exposer, either to reexpose such article or to dexplarer, the same to belong to the pre-
ceding offerer whe is ceding offerer, who is bound to accept thereof at the highest price offered by himself, and to tind
'caution' therefor mentioned, and failing his do ing so, he shall be liable to the exposer in 30
shillings of damages. to be received in an ordinary action." in the list of animals and articles to be disIn the list of animals and articles to be dis-
ponsed of, we find the following $: 2$ quey stirks
(vearling heifers) yearling heifers), 2 two-year-old stots (steers), 1
higsed cow (having a white line back, and red or
hack sides), 1 feathered cow (cow with white (k sides), 1 feathered cow (cow with white mers (ewe lambs), 15 tip lambs (ram
1 chest of drawers (bureau), 1 grape $k$. 1 flaughter spade (bureau), 1 grape ng off an inch or two of sod from grass be dried and burned preparatory to plow-
crops), 2 thraw crooks (a hook and crank crops), 2 thraw crooks (a hook and crank
twisting straw ropes), 1 dreg (three-
scraper for unloading manure), 1 iron scraper for unloading manure), 1 iron
(cowbar), 1 spoon creel (hanging spoon
1 set, cart, shelbands (rack for haulin, 1 set cart shelbands (rack for hawnur
sheaves), 1 meal teason (box to hang on
litchen), 1 milk stoup (stave mill kitchen), 1 milk stoup (stave milk pail he handle), 1 hanna (milking pail, with
ve higher than the rest for a handle). 1
its (for winding yarn to be made into
sale is the clerk's book, giving names of purchasers, and the price of articles, a copy of which course in $\mathcal{L} s$. d., in two sets of columins, one of which is filled with the price bid, and the other with the amount paid in cash, or by a promissothodically kept

## Farm.

## Edmonton Exhibition

The principal summer fair of Northern Alberta,
hich closed at Edmonton on July most successful ever held under the auspices of Ale Edmonton Industrial Exhibition Association. to the rapid development which has ated, owing to the rapid development which has been going
on for some time in various lines of production. on for some time in various lines of production,
to which this northern country is so well adapted, yet the weather was by no means favorable, and the loyalty with which the farmers for many
miles around supported the show is worthy the highest compmentation. As is worthy of
ficer remarked ficer remarked, "The soil-tillers of this country work hard, but they believe in taking a holiday and in spending it well." This was borne out by
the receipts at the gate, which far exceeded former years, and although the association went to considerable expense in securing prizes, when
the books were balanced they were enable rejoice in having a very satisfactory balarice to rejoice in having a very satisfactory balarice on
the right side. The entries altogether amounted to nearly four hundred more than in 1902 and accommodation was made for the housing of every exhibit in a way that visitors could see it
proper ly. As an industrial exhibition, the chief priticism that could be offered was in regard to the interest taken in the racing events. These may be all right in their place and neoessary to
draw a crowd, but it was noticeable that whon draw a crowd, but it was noticeable that when
a race was on the excitement was generally sumflcient to draw many away from the ring where the stock was being judged and where the farmers and young stockmen were having a rare
chance to improve their knowledge of animal form. The officers in charge of the show worked hard to make it a success, and inasmuch as it may have lacked management at any point, it
was perhaps due to the inexperience of the was perhaps due to the inexperience of the
leaders. Edmonton exhibition has grown, and will continue to do so, and those who are at the
helm must realize that helm must realize that good management is necessary to secure the best results. The didect-
ors in charge of the live-stock did faithful work and to Messrs, Naly and Kennedy much credit is due. Hon. Dr. Elliott, Commissioner of Agriculture, favored the show with his presence, and
was very favorably impressed with what he saw. HORSES.
Taking the show of horses in general, it was was fair quality to be seen, but in others it was insty medium, and it was noticeable that in some

fairy prince and duke of gedbergh.
English prizewiuning Shorthorn bulls Fairy Prince. dark roan; born Nov., 1901; first and champion over se0 bulls at owned by mr. t. parton, wegton hall, crewe, chishire.

- CATTLLE Northern Alberta is fast becoming moted for
is herds of pure-bred cattle, and this year thi its herds of pure-bred cattle, and this year the
exhibit of ovevine exeellence can truly be said to to
be one of the chief features of the exhibition. be one of the chief features of the exhibition.
Duncan Anderson, Rugby, Out., was present to Duscan Anderson, Rugby, Ot, was present i
grant the awards, and the exhibitors were in variably satisfied with his decisions. The Short-
horns, as would be expected, were the most, horns, as would be expected, were the most
numerous, and in many sections the quality was numerous, and in many sections the quality was
of a high order. In aged bulls, P. Talbot, Lacombe, had an easy frrst in Royal Margregor bred by H. Cargit \& San, of Corgill, Ont. TMis
bull is full or Shorthorn character, and would bull is full of Shorthorn character, and would
stand a lot of beating in any ring. He was later given the sweepstakes. Rulls two years old and under three brought out four very nice
specimens of the breed. S. K. English got first on a nice roan, possessed of remarkable smooth hess asi well as breed type. He has also prove
himself a stock-getter of no mean order. Dr. 1 . Wilson, Nama, had the second-prize animal, an
Thos. Daly, Clover Bar third Thos. Daly, Clover Bar, third. " In yearling
lualls, Fnglish got first, and IIren \& Ottowell bulls, Finglish got first, and tren \& Ottowell,
Clover Bar, second. For bull calves. English wa Clover Bar, second. For bull calves. Enyliss
also to the front, winning first and second.
In aged cows, there were five entries, making ring of considerabe merit. For first place here was a cose callaetween ralbot and Fing former, however, was placed irst, and Uiven 8
ont
Otowell thind ottowell thind. The three-year-olds were also a yood lot, but one of the best had to go unplaced
lecause she showed no evidence of lveing in calf wocause she showed no evidence or being in calt
s. K. English secured fiust on a nice. smooth heifer.
For
heifers two years old, Tallhot was firs and Uren \& Ottowell second. The best ring of year old and under two Altogether there wery six to come forward, and for the first three
,laces there were specimens any one of which places there were specimens any one of which
would do credit to the largest exhibitions in Mould do credit to the largest exhisitions in
America. The order of placing was Beresford albot and English, and it is seldom that any judge has a better opportunity of illustrating
what is meant by uniformity of type than waafforded and taken advantage of by Mr Anver son on this occasion. For best herd, including
bull and three fermales, the honors went to ${ }_{p}$. hull and three females, the honors went to P .
Talbot \& Son, Lacombe. Through an oversight Talbot \& Son, Lacombe. Through an oversight
the latter herd was not entered for the prize given for the best herd of any breed, which the surely would have won. For bull and two o
his get, S. K. Enylish was the winner. A few Galloways were on exhibition, but they were not in show condition, and, consequently,
wrought forth no favorable conment from the brought forth no favorable cominnent from the
iudge. The only Hereiords on exhibition wero judge. The only Hereiords on exhibition were
shown by Jos. Taugh, Edmonton, but thes showed breed character and were brought out in show good condition as to be a credit to any
exhibitor and a worthy feature of any pure-bred exhibitor and a worthy feature of any pure-bred
cattle show in this country.
Had there been catle show in wous country, Had here been ing. The same exhimitor explected to have hal to more females in time for the show. the hav
ing been shipped from Compton. (2ue. twelve ng been shipper
lays $m$ dviously.
Polled-Angus cattle were not out in sufficiont numbers to make a good show, und the satuy
could be said of the Jerseys and (inuernseys. In could be said of the Jerseys and Gueruseys. In
Holsteins, A. B. Potter, Whitewood. Assa. hall seven head on exhibition, and secured all
prizes for which he had entered. His stook in good show condition, and would have sttood
hard encounter had opposition theen on hand There was a fairly good exhibit of fat cattle
and an number of grates showing good heef type
sheep.
 secured all the prizes. The short-woolled breed
vere not present in any numbler. A nice vel of Angora goats were on the grounds ant at tract eil onsiderable attention
The exhibit of swine was the liest that has Wer been seen at Fdinontun. In Berkshires.
Switt IBros. Clover lisar, had a fine herd, notithstanding that some months ago many show
nimals had been disposed of. Their stock was lirought out in goc 1 condition, and showed breed
type such as no judge could pass over. They setype such as no judge could pass over. They se-
curred first place in all sect ions in which Uhey cured first, place in all sections in which they
had entries, and in one or two casses secorid place alsos, Jos. Tough was the conly exhibitor
of Poland-Chinas, but he had some choich buncs of Poland-Chinas, but he had some choice anes,
In Yorkshires, A. B3. Potten had a herd showing In Yorkshires, A. B. Potten had a herd showing
the bacon type to perfection, auld with these he ecured all the prizes.
An imposing feature
$\qquad$
$\qquad$
$\qquad$ thout suide swomed to realive the importance


## Stacking Hay.

agricultural prodlucts represemtative of a districh annot te expected. consenuently the arricultural hall on Edmontons heantitul show grourds wahot very well triled. There was, howe ere,
choice lot of grains that had been carried ovel froum last year, sumficient to shover what may be
grown in the surrounding country. A feature of grown in the surrounding country. A feature of
this depart:nent was the competition for a silver this depart-nent was the competition for a silver
medal and twenty-five dollars given for the best seed oats grown in Alberta. Out of eight exhilits, Thos. Daly. Clover Bar, was the happs Ninner The exhibitor secured inst out of ning were seven lots of spring wheat to choose from W. D. Carscadden got first and Hugh McKay second. In fall wheat a few samples of very
high-grade were to be seen, showing conclusively high-grade were to be seen, showng conclusivel
what may be accomplished with this grain in Aherta. J. W. Suddaby was first with a white
wheat. and John A. Mcr herson secend with a ed variety.
able of the grains. Nowhere in Canada or the United States has the writer seen such splendid Samples of this grame sounc of which woula For civeran the wizec went to (lower Rel Wm. Makefield and Win. Carscadden being the Winners. In the two-rowed variety, John wh cona, won in the order named. For collection 0 grains, Crawford won tirst and Tough second. the sheat grown this year was full of elucation for the visitor. Fall wheat was to be seem cutt on June 29th, heading out; brome grass and timothy of remarkable growth; and alfalfa, alwe tral red clover
stock-judging inemonstration. On the morning of the second day Mr. Duncal fractical talk upon the requirements of a beel animal, using Mossrs, Talloot and English's bulls as objoct lessons. Three points, he said, must be be
looked for-constitution, feeding cuality, ankl the right shape. As in maning laud, it was necessary to see that the title deeds were right, so o see that the right foundation Which to build. He believed in pedigree, but individuality, that should be placed first. In general conformation the beel animal shoula bo low-set, thick in the body, with strong top line were crossed it was best to get ridl of the crosses nould have no breedine. The lust geallts weat oltained by men who chose the liveed what suited them best, and then stuck right to it
He reminded the audience that in coocd times There was a tendency for the farmer to give up
the dairy cow, but when mones was not so
easily made he generally went back to his old
iriend. We stronelv advised those whe tempiated going into beec-raising to serure
lowset sire, 1 ,road in the foreliead and full the eye. This aldiress was greatly appreciated it is evident that the farmers of Eidmontom dis trict are open to rereive all the practical in

By the Way.

Siratine wo the licestock industry, Mre Jolus will event mally take the pace of wheat-reasing in oundation for an pura-red herd of shorthorns in
 fui is a pard ticularly dine animal havine a beauti-
 shemep vs wheat Thy is a better of Kaving induythys than is isepprais raising. The expinse of fericing for them is considerable, but after that the ammont of work
and cepense is small. Rape amid pats sowed tovether makes an excellent pasture for them
Provision should be made that the shoep can la. atimitted to only small portions of this crop a

## We Wonder Why

It often gives a man eonsiderable concern $y$ if
his wife complains of feeling tired after having made the fire, creamed the milk, fed the chickens fast all before seven o'clock in the morning
(1p till quite recontly the making and Mg of hay was a branch of farm work whirh,
eived little study io the Northwest. No meth was followed. The several processes were go, through, and the hay stacked up anyhow, there being such a superabundance of it available that a part got spoiled through lack of care there as always enough good hay tert to meet the eeds of the farm. Where part of a stack gets poiled, however, extra work coused by ite necessity of senthe the good from the bad is enough inconvenience to make any sane farmer pay attention to stacking in the best possible way to protect the hay In our issue of June 20th we gave some hints on the important process of auring hay, and it is now our purpose to follow that up with a few remarks on the equally-important subject of
stacking. $\begin{aligned} & \text { oving to the amount of hay used }\end{aligned}$ and the rush and hurry prevailing in the haying
and season, it would be out of place to talk of stacking as practiced where land is costly and labor comparatively cheap, yet as a good rain-
proof stack can be built quickly, with little more labor than a bad one, there is no reason why all haystacks should not be made in the lest manner possible to secure the hay against rain.
Stacks are often made in sections of about in length of the wa con load, and it is anout the plan to do so, as each section can be hearted up to "throw, a shower before colmmencing the next one . The one point requiring attention from
the base to the peak is that the center be kept higher and harder packed than the outsides. If the center be not harder than the outsides; or, in other words, the heart does not contain more hay to the cuncic yard than the outsides in
the body of the stack the layers will settlo with a downward slope from the outsides to the center. The reason for this is outsidess, as the
weight of the head or top of the stack, is the weight of the head or top of the stack is heavi-
est in the center and lightest on the The width of the foundation should be in pro-
portion to the height. If the hay has to be pitched from the wagons, from hay has to be teen feet will be found wide enough to finish with a slope steep enough to cast rain. When a me-
chanical fork is the hay to a considerable height, an extra pro portionate breadth will be reynired to guard
against wind storms. If these matters be attended to a pretty solid body of hay be at 1 roof against rain, will be the result. Care should be tahen to have a unitorm breadth, and also to pack well the joints of the sections, and
a tinal topping. where stacks nre built in sed tions, will ensure a lapping of the ioints. which is often a weak point in stacks so built. The
hay should le used first from the end which was hay should be used first from the end which was
built last.

## Crystal City Fair

## me Mountain

 asplicese or There was enareis on the 10th of July. all came forward on the show day. There was a grood class of cattle, and the show of horses and clusellent in every respect, making a keen The julges in the horse classes were Messtro. iv (:emmill, P'ilot Mound, and R. ID. Scurfield, Or or in attendaice. P. B. Maclaren actoxl as directin quality and numbers in the general-purpose Class ; the animals competing in the heavy draft Class were of a high standard; and the carriageanll roadster classes were cound And roadster classes were composed of fine ani-
mals all through. In Shorthorns there were very good animals, though they ought to have l,een more numerous to tairly represent what is
beeing done in the breetine lering donc in the breeding of Shorthorms in the
district. Herefords were a numbers were a fair representation of the breed. Grades were a good class, but the number forWard was anything but gratifying. There were competitiosses of as only one breeder reny individual clappetition, as only one breeder represented each
claws. The animals forward, however, were of : gooll type, and all in good condition.
ligs were next to being uncepresented. The judtes awards seemed to be popular in every secthorough they each and all did their work in a
The meatial manner.
The one disappointing feature of the fair was the poor turncollumenting an the circumstance expressed the opinion that small local shows have survive
their usefulness, and that the amalcamation each district in retritstiocieties to hold a show fuse energy and interest into the shows
future (Sen fuse energy and interest into the shows
future. (See prize-list in Gossip column.)

Wetaskiwin Fair

The bifth annual show of agricultural protucts, herth
 tai oralle weather but tew entries wero made. Eiven
those who wero most intersted in the sucesess of the tair were so mundecited durng the formonon as to whelher it wolld bo possible to hold
as show that they
did
not
bring out their as show that they did not bring out their
stock for inspoction.
The only class in in which any particular extibit was made was horses, and it was so
haciny , cumpetition that the

 contest for honors amu ng heavy drafte stallions. of Comest for honors am. ng heavy draft stallions, of
which there were three to appear-two clydesfalase and Which here were three to appear--wor Cysestales and
brown Percheron, with white martiuss, brought in by an American company, and syndiciated tat st s, s, 550.0 When

 mere not proctical fodgese of horesenes. In tact, hat
the third horse been mature and in show condiction the the third horse been mature and in show condition, the
hightriviced individual would not have eniosed even

 he best of the class.



 ountry harm were culls, and the chied demand in this
fousent was, and tor some time to come
ound



 bringing
points."
He remineted the audience that with hout

 the most prominent breeders in the old Land consid.













 1warant time was spent



 Tios The Agricultural Sociecey, too exexpresed uremWess as not in any way discomfted by his year's senlime in the district and the turther developmen

## Timothy Sod.

The seeding with timothy is deservedly gaining
popularity, not only for its value as a forage popularity, not only for its value as a forage "hich it is sown. The roots hold the soil to-
"pether so that the plowing operation may be more gether so that the plowing operation may be more
satisfactorily performed, and another advantage fter timothy is that the soil will not blow easily
or several years, and it also improves the tilth. Seeding to timothy has also been found benefiial in the control of the mustard plant in badly uffected districts. The sod prevents the growing
and spreading of the weed. Taking advantage of this, the land may be broken in such quantities as an bo thoroughly worked that the seed in the truund will be nearly all germinated and de-
troyed. By following this system up, year after troyed. By following this system up, y
ar, the pest could be largely overcome.

## More Liberal Use of Lime.

Even the Danes are improving upon their noverbial cleanly methods in dairying, and the use ase of lime for cleaning the walls, ceiling and ing the utensils. used to a great extent in the cleaning of churns, hoors, etc., but now it is becoming much less


RESIDENCE OF THOS. JACKSON
scrubbed first with cold or lukewarm water to remove the milk, and then they are covered with or twenty minutes, or later the churns or ther utensils are scrubbed with lime and cold water after which they are rinsed twice in warm water and at last with water hot enough to make the wood dry quickly. for claming ine ale Lime is also used for cleaning the floors, and
has very much reduced the use of steam and has very much reduced the use of steam and
soda. In stables and factories, whitewash is largely taking tlie place of paint, which is often ruined by dampness. It is sometimes oljjected that lime will peel onf, but the Danes do not con-
sider that a serious drawback, as it is much easier to brush off a wall with, a stiff brush and apply a fresh coat of whitewash than to clean it up and apply a coat of paint, besid


PEARL KING (79531)
Shorthorn ball, calvel July, 1900. Winner of first and champion prize at the Rojal Show,

## mperty of john handlegy, milvthorpe.

Death of Mr. Thomas C. Douglas. Mg, 2 Jears old-1, Allan Card. Filly or geld-
Money; 2, Jas. Cas
lick.
Filly or gelding, 1 year old-1, Alan Card J. Kirton. . Armstrong ; 2, Ed. Down. Team, 2,700 and Ontario a prominent and successful breeder and exhibitor of Southdown sheep. Mr. Douglas was sixty cears old, though his appearance would indicate
a much younger man. His wife, two daughters and three sons survive him:

Road Horses.-Brood mare-1, Geo. Moone 2, A. J. Stewart. Gelding or mare to harness-
1, Jas. Ross ; 2, W. H. Donald. Yearling colt Best saddle horse-1, Jas. Mitchell. Campbell. rider-1, Miss Garrie Mitchell.
Carriage Horses.-Brood mare-1, L. McFad-
den. Filly or gelding, 3 years old-1, R. H. Ferguson; 2, John Townsend. Two years old-
Geo. Mooney. Yearling colt-B. Campbell. Geo. Mooney. Yearling colt-B. Campbell Cold
ol 1903-L. McFadden.
ness-1, Mrs. Waugh ; Jolding or mare in har-ness-1, Mrs. Waugh; 2, Jos. Kerr. Carriage team-1, Thos. Burns; 2, G. Creamer.
There was a good show in the dairy
and the industrial exhibition was a treat to all Poultry was a weak show. The following are the names of the judges, and their awards seemed Heavy Horses -W. Swenerton, Carberry
Light Horses-R. J. Nelson, Wawanesa Light Horses - R. J. Nelson,
Cattle $W$. Jackson, Holland.
Sheep and Pigs-J. Steel, Nebraska.
Butter and Dairy Produce-W. T, Wawanesa.
Dairy Inspector, Winnipeg, and J. Duncan, Glen

## Carman Fair

The 24th annual exhibition of the Dufferin Agrícultural Society was held at Carman on July 10th. The weather was all that could be A large number of animals, many of them specimens worthy of competing in the rings of our leading fairs, were early on the grounds. Owing in Carman that day, a special train ran from Winnipeg to Carman by C.P.R., returning the same evening. This made it very convenient for those along that line who wished to attend the
One of the special features of the fair was the walking-team race, open to members of the Du ferin Agricultural Society $\qquad$ half a mile, and the rules specified that to col a lumber wagon. The prizes were, first, $\$ 6.90$; second, $\$ 4.00$.

## HORSES

The judges for all classes were J. Ewen, of Morden, and J. Briton, Carman. These gentle-
men are to be congratulated on the dispatch with which they did their work, and the general satis faction with which their decisions were received well rarious sections es, and the general excellence speaks well for the future of the horse-breeding industry in that par of the Province.
the general-purpose class. were those intended fo mares opened the ring, first money going to C K. Taylor, of Carman, and second to Mr. Mc-
Lellan, of the same place. Mr. McLellan's foal owever, from the mare taking second in previous class, won first. With two-year-olds Mr. McLellan was again successful; A. Walker
coming in for second place. A particularly fine year-old, shown by C. R. Taylor, was a leader in his class, followed by a worthy wival owned
by Jos. Walker. General-purpose teams, of which there were four competing, were the next noticeable difference, as is found at most fairs
when this class enters the ring. Robt Wood f Carman, took first prize with a pair of fine angy blacks, with plenty of snap, approaching ook second with a team of heavier build Wm Garnet showed a team of blacks that would please the eye of most horsemen, but which were,
in the opinion of the judges, better suited for the agricultural class. The distinction at present between the general-purpose and the agriculeach class often becomes the dumping-ground for each class often becomes the dumping-ground for
those disqualitied, either by weight or build, from the other.
In the agricultural class the foals of 1903 were shown first, and a colt owned by $T$. Graham, Carman, won. W. H. Elford's colt, a somewhat smaller animal, Look second irom ant
other colt owned by Mr. Graham. Only one
brood mare was shown, and she Irelonged to hrood mare was shown, and she helonged to
Andrew Graham, 1'omeroy, well-hnown as a breeder of excellent stock. Mr.
loland, showed the winning two year old, al tine
dark bay, low-set, with strong t,ach dark bay, low-set, with strong b
well-set limbs. Wm. Woods' entry,
exhibitor in the yearling class, and
first and second with two very good co
Hodgson, Roland, was an easy winner
team in harness class, with his span of spi
place was awarded to a rangy bay and gray class, the competition was particularly close August, of Bates, won first prize with his broo known prizewinner, a beautiful anımal, and was shown in excellent condition. The second prize went to M. E. Sutton's entry, a registered Cly
desdale mare, bred by Clarke, of St. Clourd desdate mare, bred by Clarke, of St. Clou
Minn. The latter showed good weight and cellent quality, but stood at a disadvantage i being slightly low in condition. The foals these mares won in the same order as thei
dams. Andrew Graham's "Cherry" was the winning two-year-old; she is of typical draft type, and worthy of special mention. Geo Parkinson's colt, also a very neat animal, too
second. $\quad$ a black, scarcely up to the first-clas second. A black, scarcely up to the first-clas
standard, was the only exhibit in the year-old class. E. A August was again successful in good
company with his year-old stallion, "Fred Ers company with his year-old stallion, "Fred Ers
kine 3926," and also in the three-year-old seckine 3926," and also in the three-year-old sec-
tion, taking first with both. His team, "Victoria MacNeillage", and ""Princess Lochill, first for draft team in harness, Lochill," wer
H'oods' team a good second. The "J Weneral, J, h'oods' team a good second. The "General,"
owned by Jacob Shunk, Carman, and "Me
theun," owned by the Bayiew He theun," owned by the Bayview Horse-breeding
ing Co., were the competitors in the section for ing Co., were the competitors in the section
stallions over four years. The "Generav", awarded first. He is a particularly active horse and fair quality. Metheun (imp.) was sired by Prince of Airies; he by Prince of Wales; and was purchased by Andrew Graham for the present syndicate. Metheun is a very compact horse, of
good quality, low-set and of very grafty type.
Mr. Shunk was the only exhibitor in the class for registered stallion andy exhibitor in the c In the light horses, the rings were not so a very nice brood mare. Ln carriage horses while some very fine animals were shown, the de
sirable high action was quite noticeably lacking
in most casec

CATVILE
The judge, W. S. Lister, of Middleahurch, filler almost universai satisfaction.
Shorthorns were the
Shorthorns were the predominating breed on
the grounds. They were well brought
Then the grounds. They were well brought out and
airly numerous. The herd of A. \& J. Mor
fison Cail rison, Carman, especially called forth comment
of a very favorable nature. Golden Flame $=27770=$, Morrison Bros.' well-hnown stock bull, winner of the diploma for best bull and also This thick, meaty sire is one of true Scotch type standing on short legs and massive in form. He
has a straight, strong back, splendid loin and has a straight, strong back, splendid loin and
well-filled quarters. As a calf he won second in Toronto in '98, and wherever shown since he has always taken first. He was sired by Gold Dust;
lam Gipsy Maid: by Golden diploma for best fermale also went (imp.). The herd. Golden Crown, a well-developed yearling of good quality, and a son of Golden Flame, got
first honors in his class. He also belongs to the same herd. In cows and two-year-old and also first in herison herd captured all prizes, well-fitted white heifer of fine cruality. In this second (yearling), A. C. McCallum, Roland, got second with a somewhat larger heifer of go
conformation and quality. W. F. Somers, Car man, got second place in bulls over four
with Lord Stanley 25 th, a cood, useful
strong in heart-girth, but not in show condi
tion. Bulls two years old found Rae's entry, Grand Quality, sire Pomeroy in W ite He is strong in constitution and fairly
good throughout. The first prize for heifer nery one year was given W. F. Somers, for a
verying good quality. A. \& G. Morrison got first for
calf, and also the herd prize In Ayrshires, there was only one shown. W. King of Prairic Home, and as he is a very coot animal he was awarded first and diploma. bunch of good ones on exhibition. He won first and sweopstakes with his bull. Jubilee Billy:
first and second with his cows, and first. with heifer under one year. R. McKnight, of Carman.
took first with his two-vear-old hoifer In grade cattle, W. Eiford, Carman, had some They would be worthy of a place at any of thi
larger fairs larger fairs, for they poasess the thick, meaty
form and good handling qualities which stamp
beef cattle of any origin whonevor SWINE.
In Yorkshires the prizes were fairly well
divintell hetween Andrew Graham. Pomerov, and I. Mardy Roland Mdrew. Graham. Pomeroy, and ane sow, and first with sow boar, first with


With Berkshires, Mr. Pritchard, of Roland got five firsts, two seconds and one diploma, and
Geo. Woodld got two In Tamworths, W. H. Smith got all the prizes given. The exhibit of pigs was more than creditable for a fair of Carman's size, and the accommodate the large number of arrivals J. B very nice flock of Oxford sheep, owned b the wool and mutton industry on the grounds They were a good lot, worthy of the many prize.
and diplomas which they got.

## The Crops in Southern Alberta

## ay

 nowstoret a very early start. However, the and since then we have had a couple of light showers, which will see us through until July without much irrigation. Though the crop gen-crally is not any earlier than last year decided improvement can be seen in the luxurion of the growth on lands that are now bearing Cheir second or third crop. The lands that wer cropped last year or the year before are carrying
magnificent crops. It is evident that of tillage itself is going to conserve the moisture that we do get. Lands that were well cultivated last fall and put in in good time will The meadows that have been seeded are show ing up pretty well-not as well as they will when the land gets in better tilth-but they have caught well and are pretty even, and they will
cut a couple of tons to the acre. The chif cut a couple of tons to the acre. The chief tame
grasses sown are timothy, brome grass, Western rye grass and alfalfa. All are going to succeed. It is expected that alfalfa-growing will become pretty general as stock-growing increases on the in a season, penetrates very deep into the soil, and is the most characteristic and most successSt fodder plant of the western parts of United States subject to the same conditions of soil and the British Columbia market is at present the big feature of our hay business, and it is likely
that timothy will become an important ir that timothy will become an important crop.
A drive through the Lethbridge, Stirlin Raymond, Magrath and Candston districts shows a very large addition to the crop acreage of last year. The Spring Coulee country has had quite $\begin{array}{cc}\text { very good crops. } & \text { settlement, and shows some } \\ \text { Breaking in this neighbortood }\end{array}$ has gone on briskly. Some activity in land will result from the extension of the St. Mary's mer. A fine outfit belonging to McKenrie Parr is on the outit belonging to McKenzie \& In addition to the usual crops of wheat, oat Larley, potatoes, turnips and tame hay which
have already been a success, the whole have already been a success, the whole line of
railway from Stirling to Spring Coule yond as far as Cardston is dotted with patches of beets, ohiefly, however, in the neighborhood of Raymond. The crop looks well. Labor is scarce to cultivate the crop. Children from ten
up make a dollar and a quarter a day very promising pieces of barley are to be seen. The local brewery is making a good strong bid for the grain, and the samples already grown

Brome Grass.

1. Will you please let me know what is the right
season to sow brome gruss ? 2. How many pounds should be sown to the acre?
2. What is the price of brome grass seed per
nid? year the river overflowed of the Saskatchewan. Last from six inches to one food deepp on the flat, com-
pletely hilling my hay meadow. The deposit is mixed clay and sand. Do you think brome would grow we
on it ?
SUBSCRIBER. Ans - 1 . Brome grass may be sown at any time render it inconvenient or impossible to circumstances It may be sown with or without a nurse cropenson. is done a vear's when sown alone, but when that grain crop. if not sown too heavy, could be haised as
a nurse crow without 2 If your seed is clean, free from weeds, and bret Should you have reasourteen pounds is and of the come up to that standard, it would be prudent to sow 3. About nine cents per pound is the usual price in 4. We know of nothing to prevent brome from do
The hith standard of vitality of the you mention.
ommending a trial of it have every yourtidenc

## Celcery Exhibition.

The Inter-Western Pacific Exhibition, held at Calgary, July 7th to 10th, was rather unfortu-
nate this year in having bad weather. Not only did rain fall on every day of the exhibition, but for some days previous, until the mighty Bow
ard its tributaries almost overflowed their banks. and its tributaries almost overflowed their banks
In some cases the people were entirely cut of from the Sardstone City, through culverts and bridges being washed away. As an outcome of
this, the entries, although high as compared with this, the entries, although high as compared with
recent years, were not up to the mark of what
had been anticipated and prepared for bv the recent years, were not up to the mark of what
had been anticipated and prepared for by the
management. A special effort was made to management. A special effort was made to
carry out a really clean show, devoid of the professional horse-race, and prominent in features calculated to educate, and enlighten the people and at the same time afford amusement of an levating character. A prize-list was prepared, ome out. The classification was, in general, come out. The classification was, in meneral,
satisfactory, and good prizes were offered. Fxpert judges in live-stock were secured, and a atalogue of all the entries in live-stock printed.
oo that interested visitors might have the best apportunity of receiving profit from the show.
It is, hence, to be regretted that climatic condiIt is, hence, to be regretted that climatic condi-
tions prevented a true test of Calgary's efforts tions prevented a true test of Calgary's efforts
and ability to carry out an up-to-date agriand ability to carry out an up-to-date agri-
cultural exhibition. As it was. the people of
the town did not pive the support by their atcultural exhibition. As at was, the support by their at-
the town did not give
tendance which the show deserved. On one or two tendance which the show deserved. On one or two
afternoons, however, there was a fair number on afternoons, however, there was a fair number on
the grounds, and the management feels in no
no way discouraged by this year's result. It would appear that a prejudice has, unfortunatelv, arisen
against this show. and those who now have it in charge hope to overcome this in a very short lime. There is no reason why Calgary could no
hold one of the best if not the largest show in the West. The country immediately surrounding it is, of course, not so fully settled as that in he vicinity of other growing centers, but with
he present railway facilities this can in a great measure be overcome. atinition is carried on hy a ompany, who lease the park from the town for
the occasion. In conversation with the manager. it was learned that this is the last year the exhihition will be undertaken under such auspices. It is proposed to organize a Roval
Agricultural Soriety. on lines similar to those of Aericultural Society, on lines similar to those of five dollars will be charged, and all partins who
payment of the fee eligible to vote at all meet- In yearling stallions there was only a pair to
ngs and have a say in the general management of the show. It is also expected that the city Will undertake to improve the grounds by erecttrees, etc. Should these changes be made, Calgary exhibition will become something to be ooked forward to each year. The efforts to run andean show at present are on the right lines, more exhibition boands in this country will decide to cut out fake attractions and catures that only allow the blood-suruking toilers' hard-earned cash.
HORSES

For some time the Calgary country has been gaining an enviable reputation for first-class horses, and, hence, had fair weather been forthit was, all the horses entered did not appear, and the exhibit in the stallion classes fell short of the Spring Stallion Show. In the class for egistered heavy draft stallions four years or each other. This was in some respects not satisfactory to everyone, as it seldom is, and had there been separate classes for each a better feelA. Turner, Calgary, got first with Roval Vordict (imp.) a big, heavy-boned Clyde, rather lacking in quality, but one that should be a getter of strong geldings suitable for the foreign market.
Second place went to the Truman Pioneer Stud Farm, Brandon, Man., on Imp. Prince Shapely, a Shire with an uncommonly good top, but as The judge, Mr. Geo. Gray, Newcastle, Ont., delared, showed signs of wear in the legs. The greggan Hero, owned by R. G. Robinsom, Calcary, and had he not come into the ring a little ame the placing might have been different. judge. These were Orpheus, a Clyde imported by T. A Turner, heing a son of Prince Sturdy, and Core's Best, a Shire imported by the Truman Pioneer Stud Farm. Orpheus is one of the best some time : his symmetry is beautiful, his bone of fair quality, and he moves with the sten of a hime clydesdale. The fudge not only considered cweenstakes and the silver citp donated hy the Dominion Clyde Association. for the hest Clyddes
appear, but these were good ones, and well deServed the honors they secured. Sonste's Best, by Lord Charming, and owned by Wim. Moodie mended when showing for the sweepstakes. J. $R$ Thompson's Improver was the winner of second prize, and is the making of a fine horse.
Brood mares with foals ov their side made a Brood mares with foals oy their side made a
good showing, there being five in the field, and all possessing, fair quality. First went to J . all possessing fair quality. First went to J.
A. Turner, with the noted old prizewinner. Sonsie's Best, a mare possessed of ideal Clyde pasterns. The same exhibitor won seconld with went to R. G. Robinson, Calgary. In three-year-old fillies, Turner had the only one to appear, a get of Balgreggan, and a nice onc. The
section for two-year-olds was hetier Turner again came first, with Charming Maggie by Lord Charming. R. W. Micklejon, Cochrane, was second with Miss Houston (imp.), and third with Maggie 2nd of Logan. In vearling fillies,
Turner was first and second, and for foals, $H$. Thanner was first and second, and for foals, second, the latter's being quite young. The prize for best three bred from one stallion used in the Territories was won by Turner, as was also the
same honor for brood mare and two of her progeny.
The class for Percheron or Suffolk Punoh had only one entry, "His Grace," an English prize-
winner, inported by the Truman Commpany and winner, imported hy the Truman Company, and
now owned by the Gazelle Live-Stook Company, Innisfail, Alta. He is an animal of stately appearance, and moves with remarkable style, considering hts weight.
The heavy draft class was not well repreward for the few fair representatives came forCard for the coveted ribbons. Jos. McPherson,
Pas first for brood mare, and H. McPherson, of the same town, was secomd H. McPherson, of the same town, was secomd for brood
mare, first for two-year-old filly or gelding, foal and brood mare and two of her get.
In the agricultural class H. McPherson was first, Jos. McPherson second, and A. L. d'Eyncourt, Calgary, third. These were a nice lot,
well worthy the prizes offered. The latter exwell worthy the prizes offered. The latter ex
hibitor also won first and second for two-yearold filly.
The carriage horse did not figure conspiouously at Calgary this year, the entries scarcely exDavisburg, showed a good animal and got first. Davisburg, showed a good animal and got first.

1. Wallis, Calgary, secured second, an'd Press


Scott third. The best pair of carriage horses over one year, and third for female the same
judged for appearance, shape and action, was age. For females one year or over, W. Beresjudged for appearance, shape and action, was age. For females one year or over, Whe Beres-
found in Lady Bird and Sportsman, owned by ford showed his Lady Townsend 6th, and was A. H. Eckford, High River. These were of the ford showed
breedy sorily first. breedy sort, and being well hitched they were a sure thing for first. Second was J. P. John-
ston's (Calgary) Lucy and Molly, and they were ston's (Calgary) Lucy and Molly, and they were
not a bad pair either. R. F. Beven had the not a bad pair either. R. F. Beven had the Two-year-old gelding or filly found Beven again to the frant, with H. Banister, Davisburg, and or foals.
Roadsters were no more numerous than the
orevious class. Jos. Smart, Calgary, was first for mature stallion, and G. H. Minor, Cranbroak, second. For brood mare and foal, A.
Wallic, Calgary, had the only entry. got the red for the best team, and Messns. Riley \& Sons second, while for single driver
A few choice Hacknevs were present to win
deserving honors. Rawlinson Bros tor was placed first for mature stallion, and J. R. Thompson's Blackfoot second. In two-yearold fillies there was a pair that hereafter are sure Thompson, is out of a full sister to the dam of the renowned Fandango. Wm. Mooitie, De Win-
ton, had a worth y second. For yearling colts ton, had a wortly second. For yearling colts,
the rating was the same as for two-year-olds.
The different sections of the saddrle horse classes were very well filled, and as the judge re-
marked, they were about as satisfaotory a lot as came into the ring. In mare or gelding over $15 \frac{1}{2}$ hands, R. F. Beven, Calgary. was first. and U. D. Pembertan, Nanton, secand and third. placed first : J. L. Johnston second, and A. L. d'Eyncourt third. There was a large entry in the boys' saddle ponv, to be ridden by bov 12
years or under. and it was interesting inded years or under. and it was interesting indeed to
see the young horsemen make their debut in the show-ring. Master R. Brown. Calgary Mlaced first, on a clean-cut, smonth-bodied pon
Master Russell Turner, the youngest of the 10 Master Russell Turner, the youngest of the lot.
came second; and Master F. C. Johnston Calgary, third. tended to develo, was the riding and driving competition in front of the grand-stand. J. A.
Turner got first for team over 1.500 pounds: and in the class under that weight. F. I.. Johnston was first: P. Burns second: and Robt. Turner.
third. Prizes were given for polo ponies and high-jumpers, and in hoth classes good entries were made. and it is expectod that hereafter
these classes will be more encouraged than in the

## Cattele

ho.n Hereford dairy, erade beef and erade dair and in each the diferent sections were verv well
filled. and taking the hovine exhihit as a whole years and over Trout In Shorthorn bulls, $t$ w hy R. K. Bennett, Calgary, was alone, but after wards was given the sweenstakes for best Shor found in W. Beresford's Royal Edward, hy I mp Merriman, an animal of superior merit. C. W Teterson had the second, and $W$. White, Cross-
field. third. The bull calves were a nice class. Wellington Bov, Gladys, having the wimmer it Cemales there was a hot cantest between I. A Thrner's (Fnone and W. Beresford's Golden
Trincess 3rd. The former. however. had a thick coating of evenly-placed flesh, and was placed first be the iudge. Mr. Duncan Anderson. Rughw.
Ont II. Mcr'hershn's Cherry Bloom 14th gent thitcl. and three others went a way umplaced. The T. \& W. Suitor the second in the same class. For marling heifer. W. Beregford had an easy winnel
$n$ Thadv Townsend 6th, a heautiful. Low-set aniwith Wi Whick hody and onlendid mality through-
 and with careful handling will firure wominentlv
in future show-rings. II M. Whersom got second with a very fair specimen of the hreed. For
bull and herd of three females the order was
lieresford Sut eresford, Suitor and MrPherson.
The Canadian Pacific Railway ared apecial nrizes for the test animals hred in Manitoba, Korth west Torrit ories and Rrition Colu mbian with



HEREFORDS. - The ever popular white-faced cattle did credit to their breed at this year's
show. Three good herds were on exhibition, and show. Three good herds were on exhibition, and
in many sections the contest for honors was very in many sections the contest for honors was very
keen. Robt. Sinton, Regina, carme west with
his. Aplendid. his splendid herd, which has inoreased quite rapidly during the past year. The other exhib-
itors were Oswald Palmer, Lacombe, and Jas itors were Oswald Palmer, Lacombe, and Jas.
Shouldice, Gleichen, each of whom had praiso worthy stook. In bulls tiwo vears and over worthy stook. In bulls two years and ove
Sinton had in Premier the first prize, a bull remarkable smoothness, a low-set animal of the
type that is popular in American Hereford cirtype that is popular in American Hereford ci big, strong fellow, possessed of much Hereford character. The call for yearling bulls brought out Palmer and Sinton with two entries each. After careful deliberation, the Lacombe herd w
given the red om Bonnie 13rae Hesiod 5th, promising young male of good Hereford type ing strong in the back and very well filled in the hind quarter. Second was placed on Renswich animal he was. In bull calves, Sinton's Orphan Boy was placed first, and Maple, from the same herd, second
that for cows three vears or of the class was there were seven entries, diftering somewhat in general conformation, and it was not until the best animals had been carefully examined that
the judge could decide upon the the judge could decide upon the order of placing
The red was finally placed on Sinton's Vaghe an evenly-fleshed cow, and not particularlv lack ing at any point; Palmer's Deborah came worthy second; and the Gleichen entry, a strong
boned, useful matron, that had been dehorned boned, useful matron, that had been dehorned
third. In thenemen thing worth seeing. and got both first and second out of an entry of five. For vearling heifers he
was again placed first. and for heifer calves Palmer had
the red.
The ring presented a heantiful sight when hull
and herd of three fomales was called. and it would have been even hetter had not and is only the prize would be given. Sinton had foul representatives, each of which had won first it its reappective class, and Shomldice had a atring look upon this splendid showing of whitefaces this country they were rapithly improct that in
breed and hecoming as breed and becoming more porular with the
stockmen DAIRY BREFES - In the class for dair hreeds the entries were not numerous. Calgary
not leing a dairy country. Molsteins were most
mumerons, and won tho bul. M. Potter. Montgomery, Assa. had the omly her some fair sattle on show, but they representer sears and over, and in hull calve. Potter had
the only entry, and for bulls one year okd he Was first, and J. A. Munron Calgary semond Muncese serond with a nice type of Tresev. In
heifer calves and vearling femalos. Potter wis
 There was a number of goocd crade beef cuttle beloneed. some respective rings to which thev fomilios that were eligible for revistration in the Suitor. Gladys, had a few choise nomes, and won first in all sections in which they had entries
Mesers. Riley \& Sons, and Thos Thayouck. CalIn grade dairy cattle a nice ring of cows antron that gave evidence of heine worthy old mat ing machine and she had to en firat Riley \&
sonswere senond and laverk third. Some very
promising heifers were olco chown
$\qquad$
hinit of long-woolled sheep They were teeices intended to include Shropshires and Southodowns Mrevious class. For shearling ram. IT A. the same for ram lamh. For ewe. Shearlinge Pe ewe lamh and best flock. Turner cot all that
$\qquad$
There were a few grade sheep shown, but the SWINF
Th. .... . . .hinitor of swine was A B Potter. Th haroll hums he was motathe thice strongest
prize, unjustly been rewarded with only secon prize, probably owing to the fact that he had m
competition. One of the weak points of meun of the shows in this country to-day is that priz are given quite frequently to animals that are bi
no means deserving of it, but it is seldom an error like this is made in the opposite dire tion.
other exhibits
The poultry department was not well fillof the show that more than twand His canine majesty was represented by a fe
Pointers, Terriers, Coyote-hounds and Collins Inside the agricultural hall, as would be pected at this season, the exhibit was very slin and these were only of medium quality. In dain pared by the Calpary cmall exmerv, but in gener there was little in this feature to educate the live-stock The most striking exhibit outside were made in this department, and the show was

## Dairying

## Tha Banafits of Covered Milking Pails

 The Storrs Experiment Station has been re cently conducting a series of experiments. the which of which is to find out some way b can be reduced to the minimum.There were two sets of tests made. In on case, milk drawn into an open pail was com pared with milk drawn into a pail with a cove devised for excluding dirt during milking. This pail is an ondinary milk pail with a closely-fit into which is soldered a pening near one side diameter, having a wire gatuze of fine mesh sol dered across the bottom. This funnel extend slightly above and below the cover, and slopes oose the pail. Anothe oase funnel fits inside the first one. When the loth are placed across the opening of the lower funnel, and the loose funnel, about three inches in depth, is pushed to hold the cheese cloth in posi The whole can be constructen by any tinner he who apparacus ismple in struedre, ant an be easity cleaned
ail was compared with the drawn into an open immediately after milking the amount of dirt from the covered ail that only 37 per cent. of that in the open pail, while the amount of dirt in the strained milk was 534 per cent. of that in the milk not strained. In sther words, the cover excluded 63 per cent while the strainer comoved less than 47 per cent By the use of the
29 per cent. of the total number, an averago of 41 per cent. of the acid-producing bacteria were excluded from the fresh milk. By straining the pail an average of but 11 per cent. of the total number of bacteria and 17 per cent. of the acidroducing species were remorad in short, by me use of the covered pail. milk can be kept amount of straining, even if the straining is done immediately after milking and under the Cleanest possible conditions
The milk was then
stant temperature of 70 dearees F and it was found that the covered pail contained a smaller number of bacteria than did the milk from the open pail. In every test the number of acid
producing bacteria was smaller in the sampla from the covered pail.
The results of the test show clearly that the The results of the test show clearly that th
covered nail is much l,etter for the production Mure milk than straining. It is quite evident
that it is much better to keen the dirt the milk in the first place than to strain it out after milking.

Wetaskiwin Creamery
The creamery at Wetaskiwin. Alta has hee per wenk for shipment to the cold-storace do partment at Calgary. There is alumdant pas $-2+2+2$

[^1]
## Poultry.

## Cholera in Hens.

Mrs. Irvine, of the Calf Mountain district, finds the following a specific remedy for the cure
of tlrat dreaded poultry disease, cholera. Proof trat dreaded poultry disease, aholera. ly, and evaporate the liquid procured to a stron
syrup. Give instead of water, depriving the low of any other means of quenching their thirst
The concoction should be of the consistency The concoction should be of the consistency o
water. Fowl do not like it, but will drink it water. Fowl do not like it, but wil
obliged to do so for want of water.

Eggs Rolling In.
The Government Cold-storage Dept. at Cal
cary has been a very busy place of late gary has been a very busy place of late. So
ambitious this season has been the family hen of Allerta to excel her previous record, and so ready have been the farmers in certain districts
to take advantage of the splendid opportunity to take advantage of the splendid opportunity
alforded then of marketing their eggs in connection with the Dairy Dept., that an unusually large number of the shelled product has been received. This system has been only two years in
oleration, but it is giving such universal satisoperation, but it is giving such universal satis-
faction that the capacity at Calgary for hanidling eggs very soon may have to be greatly enlarged

## Hatching and Rearing.

 Incubaters and brooders are now made so simple of construction, easy of operation and cerlar with poultrymen. The most suitable time or most farmers to hatch out their chickens is less provided with incubator room and brooding house, so as to be indepandent of outside tempera-tures, it would be inconvenient if not impossible tures, it would be inconvenient if not impossible
to raise chickens in paying numbers at an early to raise chickens in paying numbers at an early
season. Pullets hatched prior to late April or May, although they may commence to lay in late summer or early fall, are apt to moult and remain non-productive when eggs are at their hich which probably begins to lay in November, and continues to do so without ceasing during the veason of high prices, is obviously the most suitable bird for the farmer.- [

Getting a Good Rate A writer in Farm Poultry says: "I have been fifteen years, and can truthfully say that I have hever seen the time that I cared to ohange them or any breed. I have made a clear profit of from $\$ 2$ to $\$ 2.87$ per head for several years, and
I think it just as easy to make a good laying train of hens pay you $\$ 2$ or more per head per vear as it is to make a dollar pay six per cent. interest. Fither one requines a little headwork, but it can be done. So long as it is clean, I
don't think there is as much in the kimd of feed one uses as there is in giving the right quantity at the right times. That is what counts.

## Profits from Eggs.

$\qquad$ Kgregating 1,250 hens, the Cornell University tation found the average cost of feeding a hen er year to be 99 cents. The average value of
ggs at market rates exceeded the cost of food lyg $\$ 1.31$. The total yearly production per hen a veraged 129.7 eggs, and the
aloy of eggs was 9.2 cents.

## Xpiary.

Unripe Honey Spoils Trade. To illustrate the ovil rasults of manketing unipe honey, a write
ites the following
Certain beekeepers in the main buckwheat ections of New York, in recent years got imense returns from their bees by taking off the ombs before the honey had been sealed, or very
on thereafter. Some of them were called 1,ightning Operators.' Their honey was sold ") the reputation that buckwheat honey had ade for itself, that of being a good article for
aking purposes; but after two or three years iking purposes; but after two or three years
disappointment
with buckwheat hey occasionally got hold of) the manufacturers "ally determined that they would use no more atisfactory in many instances. The result is, hat for the past two or three years these largest consumers will not have anything to do with Dney that has any symptom of buckwheat about
and as its use for other purposes is very niterl, we have great diffculty in disposing of it; $1 /$ when we do it is at a low price.
I am firmly of the opinion that,
"I am firmly of the opinion that, had it not " for the greed of these beekecpers, buck heat as ten and twenty years ago: for at that time As considered one of the best kinds of honey

## Zeacher and Scholar.

## The public. school, its associations and improve

 ment are subjects of growing interest and vital con cern to every farmer's family in the West. We should be pleased to receive concise communications of a helpful and suggestive nature for this departmentof the "Farmer's Advocate" from those interested of "Farmer's Advocate" from those interested

## The Nature Study of the Dandelion.

 Hodge, in his admirable book, "Nature Studyand Life," has said: "The love of a flower in
secure such a fellow-feeling for the dandelion as but But let me read thy lesson right or no,
Of one good gift from thee my heart is sure Old I shall never grow
While thou, each year dost come to keep me pur With legends of my childhood Well more than half chife's hoolin: ah. we owe Nature's first lowly influences.
At hought of which the heart's glad doors bur
In dreariest days, to welcome peace and hope There must be something better about th dandelion for the boys and the girls of our the mentary schools than a study of its form and structure. There is
even something betever than a study of
ter
its relation to its relation to other plant forms resem-
bling
$0 r$
differing from it, and thing
something is h is something is on ly grasped when the
plant is considered in its relation $t o$ the sun, the a i $\mathbf{r}$, the soil, other
plants, etc.
It is plais point of view that will enable us
to see in this do to see in this despised weed a life-
history full of inhistory fand of inSuch alone can give
us patience sufficient us patience sufficie
to grasp the rellous adaptations of root, leaf and
flower, by which nd flower, by which the
whole plant is s whole plant is star
well able to master its environments.
Let us examine Let us examine a lew of these : $A$ an
dandelion free from mother earth soon
dies. Why? What mother earth soon
dies. Why? What does
this mean?
Two-year-old Ayr hire bull. Winner of frrst prize as a yearling at the Highland Socit ty's为
this mean? A plant
How is this acnature study a child is the highest thing that in the deep shadows is sickly How is this a mount of knowledge about flowers can take its Have you seen this? The dew and the clouds place, nor compare with it in life-value." Keepour nature work shall travel, let us inquire how it is possible for the teacher to study with the child, so common a wayside weed as the dandeion, that some o
velop by the way.
How has

## How has the

Dear common flower, that groweth beside the was
Fringing the dusty road will Fringing the dusty road with harmless gold," been studied in the past? It is not too much the dandelion might as well have been fashioned out of clay, so far as the formal description was concerned, for the big thing about this plant, and
the big thing about every plant, namely, its life the big thing about every plant, namely, its life,
was never thought of in a point of view that was completely satisfied whels the form and the structure had been closely examined. Now, we do not object to such an examination when made
by students of botany, though, even here greater love for botany, theugh, even here, by retaining much of the nature study spirit, but we do object to dignifying such formal
work nature study. There is no nature study work nature study. There is no nature study
about it. There is nothing about it that will
are welcome. For what purpose? As the dan-
delion evidently depends upon these. it must be
fitted to help itself, but how?
First, the root. Try to pull a sturdy plant up by grasping its many lo pues. a Sturdy plant
ineaning of this? If you succeat is the meaning of this? If you succeed in detaching
the large root from the earth, just examine it the large root from the earth, just examine it
and notice where you have broken off many and notice where you have broken off many
branch roots. What are these for? In all these questions, nature should be permittad to answer for herself. Dig up a large plant careiully, wash away all the earth adhering to the
roots, and take a look at the magnificence of the root, system. Is there any wonder that the
dandelion and dandelion refused to come out of the ground
dhat do all these rontets mean? What do all these rootlets mean? Why are they so crooked? Why does the root go so deeply
into the ground? Now press the main parts of the root firmly between the fingers. If the plant has completed its flowering, you will find that this is soit and yielding, and an examination o
the interior will reveal a spongy texture quite the interior will reveal a spongy texture quite just ready to put out its flowers. Here is something for your class to think about. Here is

shorthorn heifers.
 property or jab. a. cochrane, hillhuret, quebsc.
perty of jab. a. cochrank, hllulhurst, qu
See Ad. on page 787, and Gossip on page 792 .

THE FARMER'S ADVOCATE
are not to tell, for you will thus deprive your
pupils of the joy attending a discovery. Search
is a fundamental elcment in a ll life in all edincation. Allow the children to gratify this desire by their own endeavors. When the dis-
covery has been made, they will know better than we hnew, in our botanical days, the meaning o the milky juice, the taproot and the branching of the root of the dandelion. All these may not
be discovered in one year. but this does not be discovered in one year, but this does not
matter. We are educating, not stuffing with information. In the second place : What do the leaves do? Why are they alternate? A glance at a tine rosette of dandelion leaves from various
points will explain the whole arrangement. Give the chirdren a chance: yes, a half-dozen ohances to find this also for themselves. You, as their
teacher, must be content to play the part of a teacher, must be content to play the part of a
supervisor, a position in no wise easy. Why are supervisor, a position in no wise easy. Why are
there dead leaves under the rosette? Why are the lowest leaves the longest? Can you see
how the leaves are arranged to catch the raiul ard the dew, and carry the moisture to the
center, where the roots may benefit? How are center, where the roots may benelit to push away the high grass and the other plants that encroach upon the dandolion? Remove the leaves from the healthiest
and biggest plant you can find, and measure the and biggest plant you can find, and measure the
area of bare ground from which the dandelion area of bare ground from which the dandelion
excluded all competitors. Such an examination will help a child later in life to recognize the mportance of keeping the dandelions out of the lawns, but at first young children will see only
beauty and wonder surrounding these plants. In other words, a child can not be expected to see in a weed a menace to a field or a lawn, but this should not discourage, for such acquaintance
with the dandelion as we are making is hound to produce the best economic results as the days go by, only learn to wait. Why are the dandelion leaves all on the ground? Have the chil-
dren watch the behavior of the dandelion on the lawns, when the mower or the scythe is gloing its rounds. Have ther also watch the boldness
of these plants in the of these plants in braving the cold weather
carly spring and late fall. Why are the leave early spring and late fall. Why are the leaves
of the dandelion so beautiful and fresh when all the grass around is scorched? Here is where this plant has reversed a custom recommended to
all persons, namely: .. Put by something for a reiny day
In the third place: Let us take a glance or two at the hollow stock bearing the flower. How
lang is this stalk when the flower arpears? long is this stalk when the flower appoars? shoot up how fast does it grow? Can you see are the teases all placed about the flower-cluster
and not here and there alone the stem? Why do the outer and middle rows of leaves turn back and stiffen and keep their erect position? Watch this carefully; it is one of the many wonderful stemg hollow? "What becomes of the stem when the seeds have blown away?
po not pass by the involucre with a word or two of dry description. Keep a close watch up-
on its behavior, and you will find that its structure embodies a thought. There is a something
ahout it that tells most forcibly of its sohire about it that tells most forcibly of its somire
It is only such an examination that can help us Tennysontand and appreciate the thoughts from
$\qquad$ hing more interesting than watching how dusty
hese inserts get as the move ahout from
hower to flower. Ilave you ever seen the dandeion !mill atl| its corollas off? Soen thew is thi
dandelions all waiting for the leave-taking on
the convex stage of the receptacle, each occupy ing a choice position? No one seed has any advantage oover another. With umbrellas raised, all are waiting for the passage of some friendlly
breeze. One by one they are carried far away freeze. Ane by one they are carried far away means of the little parachute, until by and bye each drops slowly or is tossed into some favorable corner, when the grappoling-hooks catch and
the seed gradually works downward throuch the seed gradually works downward through
grass and weeds to mother earth, where a new round of dandelion-life is commenced
Such are a few of the many wonderful facts facts may le added by the teacher who ha learned to see more in the dandelion than a bare form and structure. ALEX. MCINTYRE

## Horticulture and Forestry

## Tree-planting in Alberta

As an evidence of the progress of Alberta, their homes by planting trees. At olds alone Lewis Steadshem, Ole Joksrud, Brade Anseth and ground for next year's plantation in comp the vith the regulations of the Dominion Forestry Department. At Bowden, A. Lougheed is dloing the same work, and at Innisfail, as well as at farmers making similar preparations are several few years there will be many farms in these dis

## Northwest Fruit Market.

With the present infux of settlers to the Western prairies, there should follow the develop ment of a great market for the orchard product
of the older Provinces. The prospects for profitable exchange of commodities between the arious Provinces of our great Dominion are in-
deed bright. The hard wheat of our Northweat a standard article that cannot be discounted displaced by that grown in any other part of the world. The miller of to-day cannot sell his nour unless it is made from Northwest wheat, or his flour made from it. or he cannot compete and heep his trade. Certain areas in the older Provinces and British Columbia, where the climatic
vonditions are favorable. produce the best orcharil fruits in the world. There are, no doubt, faults to be corrected in the methods of packing and marketing, but as to the question of quality and
flavor we stand preeminent. And here is where ne or
an exchange of commodities between exists in sections of our country that ought to be utilized and developed. Why should Canadians send their
money to another country when they can better article at home? The older Provinces say to the people of the West: . . We want you wheat-we can't do without it. And yon want
our fruits-thev are the best in the world our fruits-they are the best in the world. Iet
"s trade." Why not? What are the difficulties
in in the way? " Oh. the distance is great. the freights are too high, and you don't rat. the
stuft up in as goonl shane as the Americanc do stuff up in as goord shape as the Americans
and so we deal largely with them. Your fr has a much better flavor than theirs-we know freight is too high.'. These are difficulties that something in the interest our legislators do trade? May we not expect that with the advent of one or more competing lines of railwav, and
the appointment of the Railway Commicsion now under consideration. the difficulties will be large Iy overcome. The transportation question is on of the great questions of our Dominion to-day and claims the most earnest consideration an
hest efforts of our Government and Parliamen to work out a satisfactory solution. The Grea West must have fair and reasonable rates and पuick transport for their wheat to the Fastern
Irovinces and the seahoard, and the Fast wants the same for the seahoard, and the Fast want, to the West. The people of Canada have to very large extent actually built these roads, and proper development of the country should not be
hlocked by inefficient service and excessive trans portation charges. But there still remains question to be considered, and one of vital im ndividual grower and shipper, and that is the farmer must he supplied wroth an article in the

Questions and Sinswers.
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 and

## Veterinary

(Answered by our Veterinary Editor.]
Subscribers are kindly requested to read the conditions at the head of thrs department before writing or mailing their enquiries.
occlusion of teat
before it was due. She was on the ranl when

 which had the chill taken off. Kept milking her till
the flow increased, and gave her gunpowder (twice) in the flow increased, and gave her gunpowder (twice) in
the oats. Short time ago her right fore teat seemed as it bitten. The very end swelled and besame quite hard, and would not let the milk come through, until we inserted a small quill, and even then only a very
small stream could be obtained. We bathed the teat with hot water, salted, and rubbed it a great deal but before it got better that quarter had gone dry, and I believe the hole in end of teat grew up. calf before time?
2. Did we do
will i. Can that teat be made to milk again ; if not will it be dry another summier?
The heifer had ben stabled all winter, and at nicht till warm weather came. Ans.-The inflammation of the end of the teat, from Whateser cause, has resulted in adhesion of the walls
of the duct. This condition might be remedied by insertiny into the teat a self-retaining silver milking-tube net heeping it in position, except its removal once Cassaue remate day for cleansing purposes, until the the quarter of the udder to which the defective teat atached will not regain its secretory functions, so on the teat until you have exidence that the secretory apparatus will perform its work.

1. Not at all likely
2. You do not state how much gunpowder you gave
the animal, but it would have very fitte, if any efect in
tmahing her clean.
3 See first part of answer.
$\qquad$
her teats, which presents the natural flow of a:1 tube is used. Another of my cows has both her front
$\qquad$
Ans.-Ocrasionally, pealike concretions form in th adder. descend into the teat, and partially or totally -ometunes may be extracted through the the teat. At ot her gently but fimes their removal manipulating accomplii hed by a delicate surgical operation only ha
lump) in the teat, howerer gether depends on surgical measures, which, which alto-
billfull. cunen when shilfully employed, seldom restore the teat b . its nor
mal condition tion of a good veterinarian. probably anthrax.

THE FARMER'S ADVOCATE
weakly colts.
Have lost both my foals this spring. Mares are
ine, and five and seven years old, respectively not been overworked, and have access to grass for a
while daily this spring. Both colts were carried y twelve months. Were weak when born, but were twelve hours, but then began to weaken. Weakness seemed to be in the back across the kidneys. Wearness
Wbere
able to use fore limbs, but hind limbs were useless penings were normal, but quite large quantities of urine were passed. Umbibical cora received no attenion, but did not lea
I. In case of a mare carrying the colt over tim thould any drug be given to bring about parturition
2. Had the long period of pregnancy anything do with the colts' weakness ?
3. How should the case be treated? J. C. R. mckenzie, Man.
Ans,-This condition of the colt is frequently noticed
when the dam has boun pampered in feeding, insuffiwhen the dam has becn pampered in feeding, insufti-
ciently exercised and in plethoric condition It also
often occurs when the damm has been debilitated by ben occurs when the dam has been debilitated by acute or chronic, has weakened her system. To insure
strong and healthy colts, the health, feeding, exercise strong and heatuy colts, the heath, feeding, exercise
and sanitary environments of the pregnant mare are of
paramount importance. Overtaxation of the generative paramount importance. Overtaxation of the generative
functions of the sire is probably another cause of the functions of the sire is probably anot
weakly condition of newborn colts
2. No. It is not unusual. nor is it considered un-
natural, for a mare to carry her colt one year.
3. To see that the little animal receives nourish-
ment, that its bowels are acting naturally, and to look after its general comefort, is abourally, and that can
be done. Medicinal treatment is of littie value, unless In case of rectal constipation, when injections of warm seed oil, should be given

JOINT ILL.
Colt was sick with constipation when twelve hours old. It knocked about a good deal, and
broke the skin around its eyes and the hock joints. I treated it, and it got all right, but a day or two after it swelled on fetlock joint. I and discharging. Some days after one hock swelled, 1 opened it, and a good deal of matter
escaped. The swelling is now worse, and hard and painful to the touch. It can use the limbs little, and sucks fairly well. W. M. S. Ans.-Your colt has joint ill, caused by a germ
gaining access to the blood through the navel gaining access to the blood through the navel
opening. Treatment consists in opening the opening. Treatment consists in opening the
abscesses as they form, and injecting an antiseptic as a two per cent. solution of cariolic acid into the cavity three times daily. Also give the mother's milk three times daily. It is not probable the colt will live, and if it should it will probably be a cripple, as the articular cartilages in the joints afected usually are destroyed. This ares given at least twice this season in this ournal. Prevention consists in dressing the navel opening as soon as possible after 1 irth, and
several times daily until healed, with corrosive several times daily until healed, with corrosive knuckling - scratches methell with sein 1. Five-year-old horse knuckles. He has had scratches since February. Would that cause
nuckling ? Is it blood trouble that cause scratches ?
2. Bull has some sort of skin disease. I think 2. Bull has some sort of skin disease. I think
LEARNER. Ans.-1. It is quite probable the scratches Ans.-1. It is quite probable the scratches
ause the horse to knuckle. Scratches are usually caused by carelessness in heeping the pas-
terns clean, but a poor condition of the blood predisposes. Poultice with linseed meal applied ind nights. If prourd flesh be present, then dress nce daily with butter of antimony applied with feather for three days. Then apply three times if zinc and acetate of lead and 3 drs. carbolic ucid to a pint of water. Purge him with 8 drs.
Hoes and 2 drs. ginger, and follow up with 4 loes and 2 drs. ginger, and follow up with 4 's. hyposulphite of soda twice daily. mppose it is a case of eczema. Wash thoroughy with strong, warm soft soap suds, and folloiv
if twice daily with a dressing of a four per cent. ip twice daily with a dressing of a four
olution of zenoleum or creolin.
My horse's face swelled, and in three days he
ied. My veterinarian said it was influenva and lood-poisoning. He did not cough, but had ifficulty in swallowing. Is the disease contable? If so, how long before it would be safe - put fresh horses into it ? D. G. S.
Ans.-Your veterinarian was doubtless correct. ufluenza is liable to be complicated with man ulted and caused death. Influenza is infectious, he virus is of a volatile form and mixes with

| the stable, which would be fit for use as som as be your misfortune and not his fault. If practi- |
| :--- |
| the whitewash or other disinfectaint used beoomes |
| dry. $\begin{array}{l}\text { ioners received large fees for successful treatment } \\ \text { dhey might afford to cancel fees when treatment }\end{array}$ |

## lame colt.

Strong colt, three weeks old, went lame three days ago. There is a sort lump on the front of
the stifle of right log. Ans.-It is probable your colt has partial dislocation of the patella. Keep it quiet in a box
stall and rub the stifle well once daily until well blistered with cantharides, 2 drs.; aloohol, 4 ozs.

fall wheat, olovers and grasses. at Cloper Rar, Alta. cut June 29.1903. Ked clover. 2. Alsike cluver. 3. Brome grass. 4. Timothy

About a year and a half ago my horse ran nail into his foot, and has been lame ever since.
'The hoof is growing out of shape. blistered his coronet without benefit. My veterinarian talks of firing him, but will not guarantee a cure. 1 will pay the price if cured. No fit. W. S. Ans--Veterinarians of any standing will not cure, no pay." A reputable practitioner will honestly tell you the probable results of treat-
ment, and after being informed on that point, if you desire to have the case treated he will treat it, and make a reasonable charge, whether you derive benefit or not. Only quacks or practi-
tioners of very low standing and with little retioners of very low standing and with little re-
spect for themselves will guarantee a cure in any case. An honest practitioner will honestly toll ', is patron the probable results of treatment, and if he (the owner) decide to have the case treated
will proceed to treat and collect a reasonable fee, whether or not treatment has been successful. Quacks only treat on the principle of "no cure, no pay." From the symptoms given it is doubt-
ful whether treatment would result in benefit, but your veterinarian, having seen the case, is in a much better position to judge than I, and I would advise you to follow his advice. If he treats he
will doubtless do his best, and if this fails it will
be your misfortune and not his fault. if practi-
tioners received large fees for successful treatment
they might afford to cancel fees when treatment they might affo
is unsuccessful

SUPPURATIVE ARTHRITIS.
My horse acquired the habit of kicking the kicking. The hock swelled and became very the I employed a veterinarian; he placed the horse in slings, and had the joint bathed with warm water
and a liniment applied. It broke and ran a litund a matter for a few. days broke and ran a litthe matter for a few days and then healed, but
the leg remained very large and painful. I wanted the veterinarian to blister or open and allow the pus to escape, but he said the liniment was bet-
ter. In six weeks he died. I opened the joint. and found about a quart of dark matter, and the bone had commenced to decay. I found that the liniment had not gone through the hide. Do not
you think it should have been blistered or lanced? you think it should have been blistered or lanced? Ans.-The bruising of the joint by kicking
caused arthritis (inflammation of the joint), which resulted in decay of the bone and formation of
pus. The veterinarian treated it properly. The pus. The veterinarian treated it properly. The
pus was so deep seated if the part had been opened it would have caused open joint and hastened death, and then you would probably
have blamed the practitioner. Liniments are not supposed to penetrate the skin, but the effects of the application are deep seated. When we want a liquid introduced beneath the skin we inject it hypodermically. No treatment would have
saved your horse. This is one of the many cases in which the vetorinarian is blamed when he has done all that possibly could have been done.

## ECZEMA

Last August mange broke out on the neck and shoulders of my two-year-old colt. It got better
in November. I want to drive him now. What is the treatiment for mange, and can I pievent its reappearance?
Ans.- Your colt did not have mange. This is Ans.- Your colt did not have mange. This is hard to treat. He had a skin disease (non-parasitic) called eczema. This is usually due to high feeding and want of exercise and grooming. If it
should appear again, purge him, wash the parts shour appear again, purge him, wash the parts
thoroughly with strong soapsuds, and apply twice daily a five per cent. solution of carbolic acid, Zenoleum or creolin, three times daily.
ENGARGEMENT FROM CALK.
Mare calked herself in front of fetlock. The parts have healed, but there is a hard lump left.

Ans.-Enlargements of this kind are very hard to remove Repeated blistering will eventually The daily application of compound iodine ointment will elso give more or less results. pigs with inozelia
My breeding sows have some skin disease. They are covered with a dirty, rough coating, and are continually rubbing themselves. The
young pigs are similarly affected. J.S. G. Ans.-The pigs have eczema. Wash thoroughly with strong, warm soft-soap suds. Then rub of zenoleum or creolin. Disinfect the pens in which they have been kept by thoroughly washing with a five per cent. solution of carbolic acid, and in a few days whitewashing.

The embango on live stock shipments from New England ports is booming busineas at Montmal. Everything is going Canada'o way fuat now.-IChicago Live Stock World

barn-raising.
On the farm of Ja\&e. Bryden, four miles west of Portage la Prairie, Man.
inficetious abortion dairy herd in the past year. I have about $m$, cows due to calve this fall. What can I do to prevent abortion $\qquad$ W. H. C Ans.-Where several cases of abortion occur in a herd without apparent cause, we are justified in assuming that the herd has the infectious
form, which is very serious. The disease is due to a germ, which gains entrance to the genital organs of the female through the vulva. The virus is readily introduced, and is communicable rom female to female by contact, from female to male, or vice versa, by copulation, from aborted coetuses or genital discharges, from clothing, pails, stools, etc., that may have come in contact with a diseased animal, or from an attendant. In fact, any communication between an infected animal and a healthy pregnant one may result in contanina ackoowledge sary. The noninfected cows should be removed to healthy quarters, and no communication whatever be allowed by attendants or otherwise with the diseased. All aborted footuses and genital discharges should be burned. The afterbirth, if not expelled, should be removed by hand and burned. It is well to get a barrelful of a good antiseptic, as a solution of bichloride of mercury,
40 grs . to the gallon of water. The antisurtic 40 grs . to the gallon of water. The antisep
is used in such large quantities it is better prepare a large quantity at once than small quantities each time. This solution should always be heated to 100 degrees before using. The
womb of an aborted cow should be flushed out with about a gallon of the solution, introduced with an injection pump once daily, until all discharge ceases. The vulva and thighs should also
be washed with the solution daily. All excre ee washed with the solution daily. All excremixed with quicklime. If a vaginal discharge ontinues after the neck of the womb has conLracted so that the nozzel of the pump cannot be
introduced, an ounce or two of the solution introduced, an ounce or two of the solution charge ceases, after which the animal should be removed from the diseased herd, but not allowed
with the healthy for some weaks. An aborted cow should not be bred for at the least six months, better if allowed to run nine, after abortion. The attendant who looks after the diseased animals should not come near the
healthy, but if sufficient help to allow of this be not procurable, he must change his clothing and wash his hands and arms in the solution before oing from the diseased to the healthy herd. It is good practice to wash off the vulvas of the
healthy cows that have been exposed, with the solution, and inject about an ounce into the vaginas once daily, in order to destroy germs that may be present. Any bull that has been
bred to a diseased animal should not be bred again for at least six months, and in the meantime his sheath should be flushed out twice weekly with the solution. A bull that is being bred to a cow that evidently is not diseased, tut has
been exposed to the infection, should have his been exposed to the infection, should have his
sheath flushed after copulation. When the herd is apparently healthy, the stables must be thoroughly disinfected by a thorough cleaning and
washing with a five per cent. solution of carbolic acid, followed by the application of a coat of hot lime wash, containing about three per cent. carbolic acid. All clothing, pails, forks,
brooms, etc., that were used in the affected brooms, etc., that were used in the affected
stable must be either burned or disinfected before healthy stock is reintroduced into the premises. This manner of treatment is, of course, slow and expensive, but half measures in cases of this kind
are of little value.

## Miscellaneous.

## (ened stoch  brecter from whom he bought the cattle. I think I am entitled to receive a certicicate of registration made out in my olln out in my own name. Kindly let me know, throught the columns of the '. Farmer's Advocate," what is the legal and usual form followed in such cases. Thank ing you in anticipation. STOCK-BREEIER. Glenboro, Man. Ans.-A certificate of pedigree in the name of the buyer is usually given by the seller of pure-bred stock. generally given as a matter of courtesy, especially when generally given as a matter of courtesy, especialy when such a numer as thirten head change hands in one transaction. Certificates of pedigree, duly made out in Cransaction. Certificates of pedigree, duly made out in our name, can be procured from Mr. Menry Wade. jecretary. Dominion Shorthorn Breeders.' Association, Toronte. A fee of twenty-five cents is charged for each erifificate of pedigree, and to secure such certificate sou will require to present your transfer certificate in naking your application.


Will you kindly enlighten me on the subject, and also let me know where I can procure the variety of
corn you recommend.
JAMES S CROWE. Hants Co.. Novan Sco
Hant

$$
\begin{aligned}
& \text { Hants Co., Nova Scotia. } \\
& \text { Ans.-Your questions }
\end{aligned}
$$

inquiry, but. brielly, I under very important field question of silo vs. allowing the corn it to mean a then husking it and cutting or shredding (which latter sprobably meant). In view of the facts, as you state
that in your locality you are subject to a great dea of wet weather about the time of corn harvest, it would be certainly difficult to have this fodder (prop, , ly called stover) in dry enough condition to be shred.
in any considerable quantity, unless it is to be used ve quickly, as it is sure to heat and spoil if at all dam
Also, the very large majority of reports from those Who have handled ensilage for years as compared witl
any other method of disposing of the corn crop to any other method of disposing of the corn crop to
best ad lent food which good ensilage provides. The great
maiority of the evidence is in favor of the silo majority of the evidence is in favor of the silo as being
the cheapest possible way to make the entire corn Whant available, as the husking, handling and grinding
of the ripened grain is a question of added cost out adding materially to the benefits derived over the feed of the same grain through the silo, "hile the
advantage of the succulent nature of this food, esjeecial$1 y$ to mill
portance.
indeed, it is doubtuler to corn as a valuable crop s in all respects is so valuable as corn. The silo is also recognized as the cheapest means of handling this crop.
and the round silo, with the present methots of cof Struction is so very much cheaper than the old form of ordinary means
The man who writes that he thinks he get two crops in one by husking his corn is laboring under mistake, for husking makes neither more or less, silo if he puts the whole into it. The variety of cor which we are best pleased with for our location is
called Longfellow, a lint corn. However, this may not called Longfellow, a flint corn. However, this may not
be suitable for your locality. Trusting I have fully answered your queries
remain,
The Munroe Pure mill wimipeg. Man.

What is the cause of cows chewing bones and
bits of leather? Ans.-An unusual number of people are askins give in each case is that it is due to an abmor give in each case
mal appetite, or the want of salt. Just what
ceuser the causes the abnormal appetite is hard to say. It
may be cultivated or it in the feed of some of the mineral matiter assential to animal nutrition. The nourishment de rived from pastures growing on different classes of soils varies considerably, and it is only reasonable that upon certain lands the stock may not stituents, hence an unnatural craving. The composition of the unnatural food eaten does not always indicate the element of nutrition lacking in the pastures, but is eaten in some cases appa-
rently as a matter of taste. If the pasture is good and the cows are thriving, we can suggest ho other remedy than the keeping of salt before filthy material for which they seem to crave

[^2]
## OHiCAGO VOLUNTEER's PEDIGREE

## Chicago Volunteer. I have a stallion two years old

 whose dam is bred from the above named horse. andI wish to ragister him.
SUBSCRIBER. Ans.-Chicago Volunteer is registered as follows 2611-Chicago Volunteer, (4) b. h., foaled 1871:
Volunteer, 55 ; dam Lady Diamond, by Billy etc. (See Voil. IV.)
cagred by H. C. Goodrich, Chi-
call.-American cago,
Frank E. Best, Registrar [Note-Apply to Frank E. Best, 355 Dearborn St,
Ellsworth Building. Chicago. 111., for the necessonry Ellsworth Building. Chicago. III., for the necessary
registration blanks.-Editor.]
hack of virility.
I have a boar two years old which is getting very
slow for service. What would you suggest as a
remedy?
H. W. F.
 to grass with the sows or other pigs, feeding no slopiv
food and only a little grain, and that scattered on the food and only a little grain, and that scattered on the
ground so that he has to work for it and eat plowly. running at large
erning pigs running at large? Ans.-Where the herd law is in force no umimals an allowed to run at large: where the herra law is not in
force, an animal running at large should loe trented as force, an animal running at large should lee treated as

## Fiela Notes.

## Southern Manitoba Pioneers Meet.

## Way. when, in honor of the large number of pioneer

 nature of the ancient custom of "riding the of tharches
in the o!d nhe
those who knew Manitoba in all its dreary wastos o twenty-ive years ago and upwards, and who during
that period have worked and schemed to make it the
Manitohn Manitoba of to-day. But it was also a mecting of
those who are too young those who are too young or of too recent importation
to know of the desolation from which the country in
that period has sprung. The latter were there to to the aine informed, and to entertain and contribute manly sports of the country. The the popular and setlers were listened to with wonder and admiration for little do the settlers of to-day know of the priva-
tions and hardships endured by our ploneer friends, and how often is the value of the services rendered by them
underestimated. How the recollections of times underestimated. How the recollections of times past and the hardships endured must be looked upon with
satisfaction when the state of the country twenty-ive years ago is compared with its condition to-day, the phenomenal progress evidenced by the growth of such
tidy, up-to-date towns as Manitou, and the no less country carry on the good work and partictpate in its plicasures
and benefits. Darlingford.

## Killarney Fair.

son's fair a success. The killarney Guide says ar-
fangements are completed for the erection of a tent
ear the grounds, to seat 300 people, to be used as a restaurant. The Dominion Immis ration Department rranged to set up cots in these for the accommodation of visitors. Numerous other provisions are bring
nade for the accommodation and entertainment of visitors. The buildings have been moved on to the
new site. The grand stand has been torn tow new site. The grand stand has been torn down, and
a new and more commodious one erected also, a new a new and more commodious one erected: also, a nelw
well has been dug on the grounds, which will add materially to the water supply. Entries in gratifying numbers are coming in, and all that is now wanted is
a crowd to come and see what the Southern Mnitobl Agriculture and Arts Association can produce. This will the
he first fair held since the various nanty have amalgamated since the various nearby so the present name, and many
are interested in noting the outcome of tha, One way of judging of the merits or denerits will be
to attend the initial fair, which will be helll at Killat-

Likes the West

Coment Building Blocks
 ,uns. Lowne list is the Cement Building Block Comb material, in the shape of hollow concrete blocks, which have come into very general use in the United States,
and have been found to be much more durable ireproof than even brick and stone. while presenting the ine uppearance of the latter and readily lending The company has secured the rights for Manitoba on Harmon S . Balmer's patents, and have installed at
Bi.d's Hill a plant for the manufacture of these IBids itill a plant for the manufacture of these
." artificial stone" Whocks. The works, when running at full capacity, will employ about twenty-five men and ti.e company has made provision for more than
douthing its capacity at any time., as they expect that the trmand will be great it r their material as soon as Th. prowss of manufa ture is sery simple, as the Hesure They are composed of a properly propor Wh, in moulded in a sperecilly patented machine. The W"ust impluttant feature of the process is that the blocks
 pace is of incalculable value as a moderator of temwrature. There are many other advantages in these
Hocks, such as practically fireproof construction shocks, such as practically fireproof construction
trune, and set liz ht wall, sanitary effect, and yet it "Nis "Nore than birick.

Peace River District
"rrospecting pioneers, Messrs. G. E. Martin and " the 1eace River county. Trey left Strathcona y in March, going via Athabasca Landing, Lesser Rave River and Lake on the ice, making the trip to
leaice. River landing in nineteen days. They traversed Teac" River landing in nineteen days. They traversed
"hail is nown as the Spirit River prairie, south and
wast of Dunvegan. They speak very highly of this rancof country as a lo ation for either ranchers or 1. is ...) Wheaty market for all their products with the ans: .inill Wheat brings $\$ 1.50$ per bushel at any the comi...1 Hh. cirand Irailic. whith has been very highly man than the suinitit River prairie, is further west and ast met rewcived more than two or three white settlers Wi. Whor wh in there this suring of Messers. McEachern
$\qquad$
Open to Homestead.


Spark Arrester


With Practical Men.
smalier fruits may be successfully grown in af the Provine is now successfully grown in durs now an orchard of small fruits th enceptional flavor are grown abundantly, - Wack and yellw rasuberies give, promise
ndin crop.
Currants and pooseberries alio Currants and gooseberries also
woll to cop, Cult
$\qquad$

[^3]rHE FARMER'S ADVOCATE.

## Death of Mr. W. B. Watt

William Barrie Watt, of Sall-known stock-breeder, took place at his home on July 1st, was not un expected, as it was known by a large circle of his and painful illness, which he bore with manly courage and christian fortiturde. The announce-


## The Late W. B. Watt. ed at Salem, Ontario, July list. 19.3.

dening to those who knew him, for to know hin was to esteem him highly as a true and honorfish and alwan of unswerving integrity, unselof and always justly considerate of the rights by the stock-breeders of wanada, long be cherished by the stock-breeders of Canada, not only as one
of the most successful men of his day in their ranks, but as being fair, frank and reliable under all circumstances, his word being considered as good as his bond. He was, more than most
men in the business, giited, in the highect men in the business, gifted, in the highest sense
with the genius of a breeder, the intuitions of a judge, and the skill of a judicious and successful feeder, all of which is attested by the brilliant record made by Shorthorn cattle of his breeding ang a long series of years a record which we believe it will be cheerfully conceded stands unequalled by that of any of his contemporaries
The influence of his excellent work as a The influence of his excellent work as a breeder
has been seen and acknowledged far beyond the has been seen and acknowledged far beyond the
bounds of his own herd, and will continue to be potent for many years to come. His good judgment in the selection of sires to head his herd
was largely the secret of his success as a breeder as the influence of the noted bulls, Barmpton Hero and Royal Sailor, whose services were retained for many years, amply attests; while Chal-


Nombers lightan the drat
llowing on the farm of Mr. W. H. Bryce, near Arcola, Assa.

## Fair Dates.

The dates at which a number of summer show Secretaribs of fairs not included in this published herewith quested to forward the date of their exhibition to this office.

| Brandon, Man <br> Alameda, Assa <br> Killarney, Man. <br> Carberry, Man <br> Melita, Man <br> Fort Qu'Appelle, Ce Neepawa. Man <br> Carnduff, Assa. <br> Manitou <br> Gainsboro. Assa. <br> Regina, Assa. <br> Broadview <br> Wapella, Assa |  |
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## Big Ranch Deal.

ountry has laken place in the purchase of the Ne oxley Ranch by W. R. Hall. Calgary. This propert consists of five thousand acres, besides considerable
leasable land over which it has control, thus aftordin abundant pasturage for seven or eight thousand cattle that the price was one-quarter million
Previous to this deal, Mr. Hull already had a very
large herd grazing in the same district, and this ad-
dition makes him, in all probability, the largest cattle
Fire in Winnipeg Exhibition Buildings.
The exhibition directors were caused some alarm
and considerable additimal work and expense by the
fire which broke out in the barns fire which broke out in the barns and pigpens on the
5th inst. Nine cattle barns and all the pigpens, be-
sides a sides a long stretch of fence, were completely burnt
down. and it reflects great credit on the management that new buildings have been built and equipped in the

Good 'Yields Indicated.
the Souris Plains and many other places. The mois ture following the warm weather has given the country
a most beautiful appearance, and filled the fields with a most beautiful appearance. and filled the fields with
promises of plenty. Those who watch the grain grow
feel like enioving a holiday. feelliny coming harvest will amply justify a a .. breathing spell.
The farmers hold natura's net

Tall Brome Grass.
D. F. Woosam. a farmer who lies southeast of
Carbery, has a specimen of brome grass measuring
five feet. It was cut early in July, and is especially

New President of Iowa's College。
has at last elected a president to succeed the late President Beardshear. It was no easy matter for the
regents to decide. Iowa is a great agricultural state regents to decide. Iowa is a great agricultural state.
and the farming classes were united in their support of Professor Curtiss for the presidency, while among the alumni, most of whom are graduates in engineering. Prof. Stanton was the popular man. When the votes
of the regents were finally cast, six stood for curtic of
ard six for for Stanton. The deadlock seemed to be hopeless, but a compromise was reached, and Dr. A. B
Storms. pastor of the M. E. Church at Des. Mothes Storms, pastor of the M. E. Church at Des Motnes. Ia., was elected unanimously. This solution was for
unate for the welfare of the college, for although Dr storms is a minister, his views are sufficiently broad enable him to direct affairs about the college so that neither agriculture nor mechanics will be discriminated
against to the advancement of the other. The declsion of the regents seems to be quite popular with the aiority of those interested in the college, as it affords
ooth Professors Curtiss and Stanton, who are spectal
ts in thin rochuetive and ists in thitr respective lines. an opportunity to con
tinue their chosen work, which otherwise would havy o have been lal

The Wail of the Prairie Bachelor And the hours unsweetened go s I come with footsteps weary To my shanty 'mongst the snow
r it may be in the spring-time. r'm returning from the plow, And I think of oft-heard bell-chime
Heard far off, I hear not Heard far off, I hear not now While increasing hunger tell How I'm warried with life's'
Prairie breaking, digging Prairie breaking, digging we
Cutting scrub on this lone utting scrub on this lone prairie
Plowing. Plowing, harrowing, seeding
Then that cheerless shanty airy I aye enter with a frown.
Light a fire midst all uncleanness.
Cook my frame-sustaining bros.
Fat the same 'mungst all this mea Then clean up, and hold my nose To exclude from nostrils tender
Odors rising from the brow Odors rising from the broon
reflect on memories tender. Then I read the great lan The "Farmer's Advocate." I take it And I read it through and througl And my batch of dough I bak
All my little chores I do. One of two things now 1 And I wonder which may be. Shall I buy that quarter yonder?
Or bring Katie o'er the sea? Then, again, I want that quarter But this lonely, dreary life ! uess now all my cash I'll barter
For the quarter ; hang a wife -

## Manners in the Show Ring.

## horses requice manners in the show-rin

 tant by many exhibitors, but it is none the les a fact. All horse:, young and old, whether ex hibitod on the hatter, under saddle or in harness should have good manners, and such cannot be halter classes, the actions of exhibits often forces upon judges and spectators the idea that manners are not considered by the exhibitors as a neces sary or desirable qualification in their horses taught to be shown on the halter should be walk and trot without shying, plunging, refusing to go, going sideways or tugring on the They should walk, or trot as desired, in a otraigh line, both from and towards the jutge. They should be taught to stand to attentiona and allow the judge to examine their mouths and handle When Whan the education has not been sufficient for re ity to judge action (an imper has little opportun class), neither is he able crass), neither is he able to judge of age or not rare to see an exhibit that under different ring without a ribbonIn the saddle classes, manners is a point that often is, appurently, not valued highly emough by the judges. A saddle horse without fairly good manners should not be considered in awarding
the prizes, as he is not valuable for the purpose for which he is shown. He should the taught to stand steady to attention when asked, in order o allow the juage to look him over. He should and canter, and should take the diferent gaits promptly, responding readily to the will of his
rider, indicated by rein, word, heels rider, indicated by rein, word, heels or knees. He should not tug on the bit, nor yet refuse to bear
slightly upon it. If asked to leave the other horses in the class, he should go promptly and readily. We frequently see an otherwise goor horse refuse to leave the bunch and perform alone The hunter, ith addition to the manners necessary performing over obstacles. He should be taught to take his jumps willingly, and in goord form should be apparently anxious, but not too eager
should not rush or tug on the bit and should tiraight between the obstacles, and chould go refuse to come up to a jump nor take it. In the harness class, manmers is also an team or one of a team not only renders "he work dangers the safety of both his driver and other exhfbitors. A horse that will refuse to stand or hat acts badly when in motion, that will rear, ordered out of the ring. cv.... though he be of high matity A horse of this dioscription is fit for unither how nor sale rins. Alat is not valuable
driver, and when drawn up for inspection by the judge should stand well to attention and allow himself to be handred with satety. He should back quietly but promptly when asked to, going
straight and not rushing. Horses that straight and not rushing. Horses that under
ordinary circumstances act well will occasionally become excited by band music in the show-ring Allowance should be made in such cases, and i exhibition of a class. This would give the horse exhaccustomed to music an equal chance with those
unass. that are familiar with it and hence do not lecome excited.
classes confined to horses. Exhibitors often act in a selfish way towards each other by trying t excite each other's horses, and hence iessen their prospect of winning. Exhibitors are also some-
time rude and discourteous to the judges, and when they are not awarded the place they think they deserve will either refuse to take any award o, pass rude remarks. Such rudeness is generally always report. Then, again, the person in charg of an exhibit frequently calls the attention of the judge to the merits of the animal as regards breeding, individuality, performance, owner, etc
This should not be allowed. If the judge wants any information he can ask for it, but exhibitors should not be allowed to volunteer information An exhibitor should take it for granted that the inudge is an honest and capable man, who recog nizes merit in a horse when he sees it. He
should also be sportsman enough to wish the best horse to win, and should not in any way inter fere with the exhihitors of other entries, nor yet
draw special attention to his own other than the draw special attention to his own other than th

## New Book for Horsemen.

Canadian horsemen will remember with pleas re a couple of instructive and entertaining arti the literature cont wetr-known author of equine England. From his publishers, Messrs. Hurst \& Blackett, we have just received a copy of the sixt edition, revised, enlarged, and otherwise improved )wners." In work "Veterinary Notes for Horse ine and surgery, written in popular language volume of 828 pages, with no less than 267 illus trations. In consequence of the excellence of the paper and typography, it is by no means a cum bersome volume. and it is a fair indication of it practical and popular character, especially in th has had on aimes, fol each successive edition copies now reaching nealy, the total number of owner, trainer, rider, traveller, military horse and veterinarian, of good general schore office Capt. Hayes was peculiarly well qualified to write his book, which is designed to be of equal benefit o the horseman of ordinary education and to ccupien surgeon. The work of revision has occupled three years, and in it Capt. Hayes ac-
knowledges many valuable hints and kindly riticism from a number of other eminent author he has succeeded well in the undertaking The more technical paragraphs for professional readers are given in smaller type. The table of lete, and will be appreciated by the reader The losing chapters on soundness and unsoundness, oxamination for age, dentition and shoeing, ac the least valuable of the work which are not cordially recommend as an addition to the libraries of our horsemen where it may not already
have found a place. The price of the volume is
si have found a place. The price of the volume
$\$ 4.00$, and may be ordered through this office

Cheese and Butter Shipments.
hiipmespite the long drouth in Quebec and Ontario, the
Irst of July, were 400,000 boxes, as compared with falling off year. Butter, on the other hand, showed huite largely drom 82,000 to 30,000 pounds. This is ad the consequent inability of the 'longshoremen inies to handle perishable goods during a considerable

Canadian Horses Successful.
thathed in



The Schmidt Treatment for Mill Feror easily account for the ection of oxycen in this To the Editor ". Farmer's Ad"rs. ".
Sir,--Regarding the results in series of cases
with oxygen treatment by uddsr injection for
nilk fever, I must say that Drs Tennent ond with oxygen treatinent by uddrr injection for
milk fever, I must say that Drs. Tennent and
Barnes have had great success, of which, I for Barnes have had great success, of which, I for
one, am very glad to learn. Nor are they the only ones who have proved the seemingly great
value of oxygen in the treatment of parturient vare or oxygen no yet tried the oxygen treat-
paresis. I have not yut intend doing so at an early date. My
ment, ment, but intend doing so at an early date. My
success with the Schmidt method has been so
good that I am not in a hurry to discard it for good that I am not in a hurry to discard it fo
one with which I have had no experience. The one with which treatment is something like the tuber culin test-bad results follow only when niot prop
erly administered. The most effective method erly administered. The most effective metho
administered by empirics, or in oareless an administered by empirics, or in careless and
slovenly hands cannot be expected to produce the good results that may be expected when in the hands of an up-to-date practitioner. The Sch
midt treatment has proved a good friend to me midt treatment has proved a good friend to me
and to many of my clients. Drs. Tennent and Barnes' cases seem to have recovered more quickly than my cases, but not more certainly My cases generally remain down from six to
twenty-four hours, and frequently only about eight hours. I first get my patient intio as comfortable a position as circumstances will permit, then thoroughly cleanse and disinfect the udder, administer the solution, followed by
large quantity of air; massage well, irrigate th uterus, and give an
enema. Then I give
he necessary dive
tions to be followed during my absence.
 eter, unless in cases for quite a time be fore my arrival.
feel quite safe leaving my safe in leaving my patien
if in good hands
for eight or hours after or the first treatment, when 1
generally find bossy on her feet, eating and requiring no
further treatment. never
ldder
loxpect
trouble ${ }^{\text {an }}$ fol lowing the treatment, as I never ha
lut one case (m)
lirst case with thi treatment, and tha
was so slight that
 recessary
troulte
result

## Usion, but is is ine to the manner of ad

nimistering. of adyet to treat
with iodide


Apostle
Famous Shire stallion. Winner of a great number of prizes, including a first at London the proprrty of j. w. kentworthy, cabtle hall, kelfall, chester, eno.
ane treated re
havered. I have ha
how or three bad results, but only when I had to ery nauseous and severe purge was administered y a quack before ny arrival, and which did not yerate until the cow had been on her feet rom town, and as the case did not receive proper attention, a fatal result followed. This "I was down twenty-two hours before I saw i.loped bronchial pneumonia, no doubt due to .. administering of medicine previous to my Nal. Even this cow resumed the standing thil some time before she died.
Cause of the disease must be located in the cause of the disease must be located in the .n after birth, loosens great masses of old landular cells (colostrum), in a sort of cleaning
This undergoes decomposition, and tims toxines which are absorbed into the blood Hation, resulting in auto-intoxication. It it is
ell-known fact that the iodide potassium re $11-$-nown fact that the iodide potassium re-
the secretion of milk. This is what first chmidt to adopt the I. P. treatment ask me for my opinion ". as to the na-
the action which takes place in this If the action which takes place in this ent "-oxygen treatment. I am not at
prepared to do so. Some writers claim 11 prepared to do so. Some writers claim
parturient paresis is caused by bacteria in Mider. If this is so, and it is quite possi-
the bacteria may be anaerobic, which would
have cost, in the aggregate, to build close upon one million dollars. It to not necessary to expatiate uppon what this means, but it shows the scope of this great. grand and comprehenslive nattonal institution. In this connection, mention should be made that the King
has been graclously pleased to direct that the presents recelved by his royal mother, the late Rueen Victorla, on the occasion of the Jubilee and the Diamond Jubilee celebrations, shall be placed on exhibition at Toronto
on the grounds during the holding of the fair Auguen on the grounds during the holding of the fair, August
27th to September 12th. By graclous |ermisslon of 27 th to September 12 th . By graclous 保mission of
the Dowager Marchioness,
the presents received by herself and the late Marquis of Dufferin and Ava during thelr stay in Canada and Indla will ulso be on vow, as
will, too, some treasures kindly loaned liy the Countess will, too, some treasures kindly loaned ly the Coubtes
of Aberdeen. All information. prize list and entry of Aberdeen. he had from J. O. Orr, 70 King St. East.
Toronto. Ont.

## Fair Reports.

The reports of the Yorkton, Portage, Pilut Mound and Stonewall fairs were received too late will appear in prominent positions in the Augus 5th number, along with the reports of Winnipeg
and Brandon exhibitions. Although the weather and Brandon exhibitions. Although the weather
has not favored some of the shows this year, yet on the whole considerable interest has been taken in them, and the people by their attendance and
enthusiasm evidence the prosperity that is being
visited upon the Western country.

## Narkets.

## Winnipeg Markets.

Cattle.-Demand and supply about balance, with a fair trade. Butchers' 'ordinary is bringing from 4c. Choice steers are scarce, and range from 5 . nues brisk and supply limited.

Hogs. - A fair to brisk demand at 6 c . for the choic-
st quality.
Horses.-All classes of horses are bought up as they re offered. Henvy teams sell from $\$ 300$ to $\$ 450$, and

DRESSED mEATS.
Beef.-Market continues steady, with some activity
The price hams is quoted at 13 ac. and best breakfast sides poultry and eggs
Poultry--Poultry all along have been scarce and prices unduly high. Exhibitlon week has still further increased the price and the supply is not equal to the demand, even at the higher figures.
Eggs. - The supply continues th) be far short of the emand, and the high price of 15 c . in Winnipeg fails bring in a full supply
dairy produce
('reamery Butter.-There is little demand in the West at present, generatly speaking, but the market is being centralized in Winnipeg for exhritition week A large amount of smaller packages will be taken out of cold storage, and it is expected than the market will be pretty well cleared out. Shipments of larger parcels to Montreal are bringing about 16c.
Dairy Butter.-Dealers orter from 12 c . to 13 c . for Dairy Butter.-Dealers orler
pound lots of choice quality.
pound lots of choice quality. of purchases are being made nt thitab, and a number Vegetables.-Old potatoes are still bieing put on the market, and a fair demand exists at 60 c . to $\mathrm{b5c}$. New potatoos are more plentiful every day, and prices are -

Grain
The continuance of good prospects for the coming harvest keeps the speculative element quiet and prices
steady at: No. 1 hard, 82 tc. ; No. 1 narthern, 80 tc.: No. 2 northern, 78 cc . ; No. 3 northern, 75 c . ; No. northern, 66c., for spot or July in store at Fort wil
liam, Port Arthur br Duluth. Oats-Market well balanced, with lots of enquiries,
at steady prices: No 1 white 32 c at steady prices: No. 1 white, 32 c ., in car lots ; NJ,
2 white, 31 c . 6 feed grades, 29 c . 2 white, 31c. c feed grades, 29 c . see grades, 35 c . Barley.-There has been little offering in barley
Prices are quoted at: No. 3, 38c., in car lots: feed grades, 30 c , to 34 c .
Hay is
Hay is pretty steady. Fresh baled is selling from $\$ 7$ to
$\$ 7.50$ per ton: loose, from $\$ 7$ to $\$ 8$. $\$ 7.50$ per ton: loose, from $\$ 7$ to $\$ \$ 8$. supply, is still the tone demand, quite abreast of the market. Oat chop is
selling at $\$ 21$ per ton ; barley chop, $\$ 16.50 ;$ barley and oats, $\$ 18 ;$ chop spelt, $\$ 16 ;$ chop screenings,
 Flour--The demand holds steady, and prices are
unchanged at. No. $1 . \$ 8.15$ per sack of 98 Ibs.; No.
$2, \$ 200 ;$ No. $3, \$ 1.65 ;$ No. $4, \$ 1.35$.

## Chicago Markets.

Chicago, July 18,-Cattle-Good to prime steers
$\$ 5.10$ to $\$ 5.50$ poor to medium, $\$ 4$ to $\$ 5 ;$ stocker and feeders, $\$ 2.50$ to $\$ 4.50$; cows and heifers, $\$ 1.50$ to
$\$ 4.75$; canners, $\$ 1.50$ to $\$ 2$; bulls, $\$ 2.25$ to $\$ 4.35$
calves, $\$ 3$ to $\$ 6$. Tox Hogs-Good to choice, heavy, $\$ 5.55$ to $\$ 5.75$;
11utchers, $\$ 5.75$ to 85.77 : rough heavy, $\$ 5$ to $\$ 540$


## British Markets.



## Montreal Markets <br> Montreal Markets.

[^4] Good lots of fat hogs sold at about 5 gc . per it.


The Sun's text is, ' Begin the day
With shining purpose as your ray 's
The Rains. . Let tears fall only w
They'tl make the world more brightere and fat
The Wind says, Let Your vice be sweet
add only wholesome things repent.
The Flowers whisper, hid apart,

Mrs. Watson's Silver Set.
Mrs. Watson was supremely happy when she came home from Topeka with her silver see. It had been the dream of her life to possess a sel pitcher. a confeerot, a teapot, a sugar bowl. crean. lorks. For years she had skimped and saved and
worked worked, but some calamity alwass canne to Kansas to prevent the fulfillment of her wish.
One year it was the grasshoppers; another year it was the drought; another year they had great aods one year all che swine died with cholera
another year all the chlckens died with some new dis ease : again, the cyclone brought destruction and ruined all the growing crops: then came a year when the cows gave plenty of milk, the swine had no cholera the chickens flourished, the rains fell regularly, and the corn crop was the largest tn the history of Kansas
But when the corn was ready to gather, the price wen down so low that very luttle ready money could be
realised.
But Mrs. Watson did not glve up. She wore her fid bonnet and dress that winter, and skimped more than ever. The prying eyes of her neighbors dis covered that her underclothes were patch upon patch.
Mrs. Rickets said that was the reason that she dried Mrs. Rickets said that
her clothes in the cellar.

She says she can't give any more to the chll dren's Ald Soclety, and she mixes rye with their corfe. - "They must be dreadful hard up." sald another She hasn't paid any missionary money this year, and she used to be president of the soclety. And just
eee how slabby sho looks. She often looks blue with the cold when she wears that threadbare blanket thawl."
The villagers continued to gossit, uhout the elowereness ot Mrs. Watson; but when October came 'round again she had the hundred dollars ready to purchase the
coveted silver see. The lay hefore the isit to Toppeka, Mrss Watson and then latd out all the clean clothes on the best bed ready to put on in
stood and watched his wife whe Watson of getting ready for the journey on the morrow, and at last cleared his throat and salid:
i. Hannah, it does seena to me that you hadn't "Hannah, it does seem to me that you hadn't
ought to get that inlver set. There will be lots of
 is no telling how soon ours-".".
.. Jucob,." Hannah slioke in a hard volce. "I set my mind on ha thy that silver set fitteen years ago,
and I'ie denied myselt tor tit ever since the money together at last to get it. and now I'm

 going to buy yt tomorrow. 1 guess you needn't say
any more about it., any .more about it,"
. Hannah, the case is entirely diferent. I have to have implements to farm with, and you do not have
to have- to have -.
 Atter some conversation with the person at the came hack with a stern look on her face. Mr. Wat-
son looked at her inquitingly, but she did not look at

> Hell, Hannah, who was to come n. It was Tom Graham. 1. ucy's got the croup antul country somenthere, and didn't leave any word where way soing."

> Hannah, did he want you to go home with him ? Yes, he did, but 1 ain't a-going a step 1 ain' a hospital nurse. I gave Tom Graham the croul medicina and told him he would have to get son
else, for I was a-going to Toveka to-moroum else, for I was a-going to Topeka co-morrow.'
Mr. Watson tor once was silenced Ho
> Mr. Watson for once was silenced. He began then
treel worried as he thought of his wite. She real worried as he thought of his wife. She must be
taking one of those new-fangled nervous diseases that women have nowadays. She bad for years been a
authority on children's authority on children's ailments, and was noted for he
kindness to the sick and needs nint anthen wrong with his wifo Sho was a chaned woman
Yes, he felt sure that she hat some nervous disease working on mor. $\qquad$ The trip to Topeka was made the next day Mre Watson went to every jewelry store, and some other
stores where silverware was ofiered for sale, before she could make up her mind oneren or she se, before shd
Nicholsonis and thent back to Nicholson's and bought the frrst set she had looked at
The next morning Mrs Watson shnacked set, placed each piece carefully on the table and sat
 plnched herself to make sure. Yes. it must be true,
there was the teapot, the sugar bowl. the cream pitcher and the coneepot. Sye was sultil heokling
it with sparkling eyes. when Mrs. Bolly came in.
with sprarking eyes when Mrs. Bolly came in.
" Solid silver ?", saidd Mrs. Bolly, in a doutful tone
Hre Bolly was small and wizened looking and a. wrinkled, sour face, with envy showing from every Wrinkle.
. Yes, I'm sure,"" said Mrs. Watson. ". Look at the mark on the bottom of every piece. Sterling it says, end that means solid silver. Land knows I paid
enough for 'em. It lust took an even hundred dollars to buy 'em.,. It just took an even hundred dollars
" "You don't say so," said Mirs. Thelly. in a doubt-
 "Well. 1 must be a-going." Mrs. Bolly put on Wis Watson's happliness went oul hit and some or She was wrapplng the white tissue parier about the . I have just heard that you had bought a solide th I am just nall out of breath, 1 walked so fast.". "Yes, it is so." Baid Mrs. Watson, in rather as
subucued tone. "Here it is on the dining -room talle: was iust getting ready to put it away. and the how strange," said Mrs. Denning. The tone Mrs, Watson's brain. "How much carving and what
large designs."
what I like. They asked just as much for a plaim swall set whth tiny little sprass of ferns on it. wanted to get the best value I could for the money
There was an omtnous silence
do those fowers. Yes, It's real pretty, if it is a little
out of style " Out of style ! Why, I hunted all over Torekn I wanted thls kind of a set." "unted I guess the rest of
Oh, then, il you are sult us can stand it. Mrs. Crowley has ${ }_{\text {a m new }}$ set. It's
 stye werlicm in have to co vour sillerer set is one uses to conceal Instincerty

 her sences would know that it wns worthl more than


## drongus that it mas oldestin


 That way you get one of them Hereas serratcheyl nald "ol will see what will happen to vou.". Susan looked frikhtened for in all her the her wast her had never suluken to her in that tone ". Ndidn't "o any harm." she snid
 F". Eitl's volte as she replled. .ansm, Ted lust na 'lieve you'd put it in the stove
 Ind in or cartled nny pirere to thin riltina closet. Bie.

husland's birthday. The expected guests came anne supper was excellent; but Mrs. Watson could eat little
for watching her silver. The school teacher's praised the supper, but she did not say anything about the new apologetic was. "How do you like my new
kind of apolly, Mrs. Watson said in a sill ver set? Mrs. Green answered and said: ". Excuse me, but I did not know it was new. It is such a quaint, oldfashioned pattern, that 1 thought that it might have signs. Nearly all the new styles are very plain with litte carving. Mrs. Smeltzer has been hunting for just such a pattern, and she said she couldn't find one
in Kansas City. Of course, it is just a matter of taste, anyway. It is a beautiful set, if it is a little differunt from other people's.
Have you heard
"Have you heard about Lon Hickson? The
doctor says that he will go blind if he don't doctor says that he will go flind if he don't go to
New York and have an operation performed on his New York and have an operation periormed on his
eyes. He has spent everything he had trying different things. His wife is so delicate she can hardly do her "n. work, and can't do anything to earn money." her
my old clothesty last winter, and gave the money to the
my old clothes last winter, and gave the money to the
poor, and I hnow you have been doing the same
thing.:"
barn ath urrald not," said Mrs, Watson, in an ems
course you wont lel heple how how
much good you do. 1've been saying, for a long time,
that you had not been wearing your old bonnet and
that rusty shawl for nothing. When i have heard
people criticise you for being so close, I just up and
told them that I knew you better than they
told them that I knew you better than they did, and
that if you hadn't been giving so much
usual you hadn $t$ been giving soly
usual, you had been giving privately, I was sure. No,
we can't raise seventy-five dollars. I am afraid that
Lon Hickson will have to lose his sight, and then the
Samily will have to go to the poorhouse. and can't bear
think of it. church raise the money? Lon is a
member in good standing
No, Mrs. Rogers only gave firty cents to our col
special plea and told iust what the money we to
used for. The very next week she went to ropeka and
wought a new parlor set and an organ for Lucy.
couldn't sleep if I had done such a thing. I have al-
ways said there was nothing lihe living a clear con-
science. Now, Mrs. Watson, don't you look so cast
down. You always were so sympathetic."'
It was three weeks afterward that ar watso
It was three weeks afterward that Mr. Watso
missed the silver set
haven't heard you say anything about it for a week
You surely haven't got anything about it for a week
ing it so already, arter want
ing it so many years." "No, John, but I let Mrs. Smeltzer have
was just the pattern she wanted, and she paid me more
than gave Lon Hickson a hundre
dohars to go to New york and have the operatio
ed Tuesday morning
and
buy some new things for myself and Susan with the
ot her twenty-five dollars."
" Well, I never !". Mr. Watson came near his wife
and looked at her. ". Well, 1 never! Why, Hannah,
you are your old self again. It secms for a year or
two you have hardly been yourself. 1t made me feel
so bad ", see you have so little sympathy for the poo
and sick. I just think some new disease has been
working on you.:
" Yes, I think so, too." She looked up with

Where charity is seen; that when
I hold all else, named piety.
Wh.rellish scheme, a vain propen is not, can there bee
This 1 moreover hold and dare

"Tis not the wife phylartery.
Sor tublorn fast. nor stated

## Che Quiet H(our

What Hast Thou in the House?

more than iles withu<br>Steady, patient, hour<br>It is better far to build<br>Than to rear in haste unskilled

e one remarked to me the other day
Some one remarked to me the other day
should like to be very rich, for then I could great deal of good." I suppose we all under
stand that wish-it is so pleasan to stand that wish-it is so pleasant to think
being able to give a great deal of pleasure others without much trouble to ourselves - but
that was not (iod's way of helping the world If our object in life is to serve Him faithfully
then it would be as well to remember the riches of the world are His, and He that all easily make everybody rich if that would be good for them. If He has not given wealth to you, then it is very plain that you can do more good
without it-can do more real, lasting good your neighbors, as well as more acceptable serv-
ice to Him. When a poor woman once came to Elisha for help, the Prophet did not give her
money, but said to her. ." What hast give the house?" Her house was very bare and empty, for she had nothing but a pot of oil, but What have you in the house? What means of doing good
when the
hungry peopliples were told to feed thousands small-they had only five loaves and a few fishes
-but with God's help it could bo done When Moses was sent out to free Israel from the bondage of the Egyptians, he was not equipped with new weapons for the new work.
"What is that in thine hand ?" the Lord asked robably a stick he used in his work os rod, herd, was all he needed. God could use it to work miracles with as well as anything else. quite weapon enough for his battle with Goliath. an ox goad, yet he slew with it six hundred Philistines. Samson was in need of a weapon, an ass, and put forth his hand and took it, and slew a thousand men therewith.
English chemist, wrote to Sir Hume celebrated asking for employment, he was set to work wavy, ing bottles, as a test. "If he is good for wash thing he will do it directly ; if he refuses, he is the matter. How do you know that God is not testing you to see if you consider any honest Work beneath you? If Joseph had not served Slave, he would never have been fit to rule over
Fgypt. David was hose was a faithful shepherd. Our Lord has promised that each servant who has been faithful over a
few things shall be made ruler over many things. few things shall be made ruler over many things.
Are we faithfully making use of our opportunities of doing good now, or are we only pleasing ourselves with the thought of what we
should do if we were only rich? It is quite possible for anyone to imagine the pleasure
being able to give a hundred dollars in char and at the same time to refuse to give the dollar "What hastord. thou the house ?" Some op portunity of doing good to someone, surely.
Why, wen Robinson Crusoe on his desert island had man Friday to minister to. You have at hand the means of doing all the work God wants
you to do to-day nlthough you chaner to do anything the world may admire rive any minute: The Buffalo Express, speakin
of tho rontic of the recent foods in the Southern States, says cause to chow its not give the country at larg tunit. was afforded for individual herois-n. Men
who hat themselves escaped cured lionts andl labesed for from danger. pro
impers in rescuing at hand persons. The hero seems always to be
calliner needed. He comes from every
 $m_{\text {mat }}$ ming hookeeper, the next a hero by virtue of fellow wrature It is one of the marvels vif life.
this. well ter whemetion, and sompething that spaks

 Master gives only one talent He ex-
use to be made of that one. If He
wanted us to have ten they could easily have
been givell; but if we are wasting even the one Leen given: but if we are wasting even the one
we have, how much worse it would have been if
we had been trusted with more. How true it ise had be

hinghest duties of tite are found<br>In hidden and unnoticed ana<br>n. houschold wnnoticed

## The Children's Corner

## A Change of Work

". Oh, dear !'" sighed Winnie, as she sat peelwish I didn't have to work so hard. Mothel says she likes me to be as busy and happy as a
bee, but I am sure those bees flying a sunshine wouldn' those bees flying about in the ,eel a lot of dirty old potatoes. 1 could enjo work too if 1 only bad to fly about ahd play isn't very hard work is is. Gathering homes The bee she addressed was
The lee she addressed was poking her heal and exclaimed, in a queer, buzzing voice hury sounded like a baby threshing machine, ". Would you like to try it for a time, my dear ?." Winnie was so surprised that she dropped the pan of potatoes and sprang to her feet. "Oh,
I do wish I could !" she said, "I am so this kind of work; and then I have harally of moment to myself, for 1 have to mind baby for
hours every day." The bee flew
lossom, on which was held out a bit of liling Winnie put it into her mouth, a for she of had oltey
read read "Alice in Wonderland,", and felt sure some
thing would happen as soon as she had caten il And something did happen. She suddenly foun And something did happen. She suddenly foun
herself flying about the bushes, with a lot other bees, and it certainly seemed with Buzz! ! buzz!! hurry up ! till your pocket with gold dust!' said Mrs. Bee, working away
to make up for lost time. The pockets, whi: were fastened to the bees' hind legs, were soon
filled with the filled with the yellow pollen from the flowers hive. It was a long way, and Winst to th ached long before she reached it, but the bees b the hive crowded round her and the other travel lers, using the tiny brushes on therr from tem to take away the heavy loads of pollen the:
carried. Winnie soon found that there was great deal of work to do in a bee city. Insten
of one baby to mind, the busy maiden aumts hat thousands of hungry mouths to fill. The gneel children. You would think a hen was busv she laid a hundred eggs a day, but the queen be
thought nothing of $a$ thousand thought nothing of a thousand a day. Th
clever sculptor bees made neat little wax as fast as they could. The queen would pole her head in at each doorway to see that tho nursery was in proper order, and then put inn egy
inside. Winnie and several other bees followey her and fastened up the doors. In a followay there was a hungry baby grub in each room. It
would never do to feed them altogether on cands so the busy nurses made bee-bread with the pol rooms of the hive. A little packed in the store
of pellet madt of bee-bread and honey was dropped pellet madte every room of the big nursery. Not one baby wat
overlooked among all the thousands whill overlooked among all the thousands which hat
to be fed every day. They dild tract attention, but the nurses followed eacl other and peeped into every room as they pased.
to make sure that no one was forgotten Sometimes Winnie was set to work to help in ventila ting the hive for bees believe in having, wents
of fresh air in their houses. Some stood with their faces to the entrance, while others placel
themselves back to back with them wards and forwards went all the wings like livto lie hept up was and niring when as at hat too tong at a time, for a fresh batch of bees Gan to show that they too wer although they certainy ditl not look lik........
 Gastemed a wax lid on its pittle cell, amb there it
had to stay until it turned into a porfort l..es and was able to bite its way ollo " Dlthometh all grow up to he queens hut a fow were find on
roval jelly," and taken sperial care of. Th.
yomyg queens were not allowel to bite their
way out like the others. but were foul with
honey through little slits in the doors of thrir
carefilly wave these cells the intincesses were and pulled them back if they tried to visit their bate the the nursery. The old queen secmed to own daughteyal children, although they were her killed them if the maiden would gladly have vented such murder maiden aunts had not preThe hive grew
one day a swarm, hearded by a queen, went out
to seek a new hone to seek a new ho:ne. Winnie slipped out with them, but flew away by herself to the lilac bush,
and was surprised to see the pan of potatoes still Iying under it.
"Oh, dear !" she buzzed, "I am so tired of ""Oh, dear !" she buzzed, "I am so tired of " Winnie, Winnie, haven"t you finished peeling those potatoos yet? Hurry! dear, it's time they were put on to boil for dinner."' it's time Winnie juwned up from the the kitchen, and eyes and wondering whether she could have been dreaming, or whether her strange adventure had
really happened.
COUSIN DOROTH

The Boy Next Door.

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#Of some borderland expert!
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tartling to a body's senses
an window mane war
Or a missile cleaved thatere
if the street's repose was air,
Heads out peeping every wh
Little need for explanation.
All had happened oft before
All had happened of before
Mite of terror and vexation
Was that little boy next
e boy next do
ats and dorss, by intuition,
Knew of his approach and fled
Aunty was the hat's position
On his roguish, curly head
As, with bearing indlependen
He would bound the crossing o
Was the little boy next door !
Brave, chivalric and resprectful
Wih a sympathy regretful
Townrd each beggar, day by
tow the wild and tame were mitugle
fow mv nerves were hourly tingle :
my
When, at sunset, homeward walking,
Once I missed the children's woise.
arked their proun in whisers noise
I eaving all their romping joys
aw the snow-white ribbon strea
From the house 1 stopped before-
Tear-Itrops on my cheeks were
GGeorge Cooper, in the Independent

How Does it Seem to You
Tt secmis to me Id like to go
Where bells don't ring, nor whistles blow,
Nor cluchs don't strike, nor konks don't soun
thave stillness all around sound
Not real stillocse. but just the trees'
Oe brio's faint thabliug over stones
Or the sonss of hisds in the herdzewe hied
$\qquad$
$\qquad$

Which wake to a day of praise :
ave long formotion the foy for a weary while off life's sunshiny days

Jottings from the Isles of Scilly
I am afraid that No. I. of my little Scilly ly expect rather dull reading, but $I$ could har standable without some such an introduction by way of a background.
It was on a bright day about the middle April that 1 left sunny Teignmouth for Penzance, from which place I was to take the small steamer rapidly by from station to station unfN passed rapidly by from station to station untry Devo
shire was left behind, my eye was attracted
streaks streaks of pale gold, dots of purple, and bits of
blue and white, sometimes continuously, some blue and white, sometimes continuously, some-
times intermittently, trying to run times intermittently, trying to run races with as we flew by. Of course I knew they must
myriads of pale primroses, of deep blue violets star-eyed daisies, and a wealth of other beauteous wild flowers, but not until we began the usual Cornwall crawl, a leisurely pace the train seems
always to fall into when it enters the last county in England, could I begin to see just what name to give those lovely flashes of color which lined the hedgerows and clambered up and down the
steep banks which sentineled the route tunnel and tumnel. The thought crossed me as we kept emerging from darkness into light and beauty, that so it really was with us in life, i
only we would let our eyes see it and our sad only we would let our eyes see it and our sad
hearts acknowledge it, that out of dark hours o gloom and despair we could surely find some o the gloriaus compensations which are certain to await us when once more we come back to th
blessed sunshine which is of the Father's own bestowing.
It was quite night by the time I found myself
settled into snug quarters at the modest settled into snug quarters at the modest little
hostelry I had chosen, alike close to the station and point of departure on the morrow. On the pier a pleasant experience awaited me. A cheery young voice greeted me, "How do you do, Mrs
B. I am having a holiday at Marazion B. ? I am having a holiday at Marazion, and hoard the Lyonesse for Scilly. Oh ! don't I wish
board I were coming too ?", Now, was not that nice ? and from a friend-for I shall never again call with her husband, upon the Cotswold hills about which I told you some months ago, the hero and heroine, in fact, of the delinquent automobile
which had come to grief, as automobiles will, upon one of the crankiest of the hills upon the Cotswolld range, forcing of them to shelter awhile
in the hotel at Birdlip in the hotel at Birdlip, from which my Gloucestershire letters were dated. A bad passage had
been predicted, but except for an occasional seen predicted, but except for an occasional
"skurry" of rain and wind there was nothing to complain of, unless by those unfortunates who would succumb to seasickness in a flat-bottomed what bold Boreas could do with a merry little sailing yacht amongst the Islands of Lyonesse. As we backed out from the pier we took in the
full sweep of the bay from Marazion and St. Michael's Mount to Newlyn, Marazion and St. ing village on the Cornish coast, and to the picing village on the Cornish coast, and to the pic-
turesque village called from some traditionary
story, "Mousehole." story, "Mousehole." If you are wise you will
call it " Muzzel," pelling thereof. Just beyond it we passed Point Spaniard, from which a Spanish force had once
descended upon Mousehole, the Corishmen there descended upon Mousehole, the Cornishmen there-
of having made a stout but ineffectual defence against surprise and numbers. The whole of the
coast stands out somewhat grimly, indented with caves and fissures and scarred by quarries. On Logan
Stone, and near by it, in Porth Curnow Bay, the Eastern Telegraph cables come ashore. Before
the Lyonesse stood off the shore and made direct the Lyonesse stood off the shore and made direct
for Scilly, the outlines of the Land's Fnd were clearly seen, and the doleful tolling of the lell buoy off the Runnel Stone, heard by those who knew how to recognize the sound. We could
distinctly see the Iongships and the Wolf light distinctly see the Langships and the Wolf light
houses, the latter being considered exactly hat ways to the Islands. Here there were far more
signs of sen-traflic signs of sea-traffic than we had observed nearer
the coast; fleets of fishing boats with dark sails nowing, and here and there the smoke from steamer homeward or outward bound. 1 thin appointing, the Islands from a distance not impressing one with the sense of height and gran
deur conveyed by a closer view of the bold granite rocks which mount guand over even the ver smallest of them.
of about three hours from the short voyage of about three hours from Penzance to Scilly
transports one from prosaic Britain to a suli-
tropical land and avowe thnt tropical land, and avows that whilst the Scilly
Isles can offer a climate equal ton thy Isles can offer a climate equal
shores of the Mediterranean,
invalids to undertake the fatiruing and exponcirt journey to Mentone, or other spots of simitar
temperature. Taking this with grain of salt, I am willing to endouse the ass tion, acknowledging, however, that $\quad$ authority, for I have not been to
am willing to beliave that there one finds per
petual sunshine, and never needs the comfort o I like nothing better than to sit with my feet upon my fender, and, looking into the glowing coals, think over my adventures and plan how much of them I may tell and how much I must leave out when the time comes for me to sent my little contribution to the limited space al'
lotted to the "Spindle Side " of the "Farmer's Advocate." "Am I too late for the flowers?" was my first question. "Well, yes, to see them in their

hower culture in scili
full beauty you are, but many remain to give you a very fair idea of what Scilly can praduce for found flower farms, flower gardens, flower fields hower corners, flower yards, everywhere; the Isand of St. Mary's looking to me almost like a into squares, bordered and hedged in by growing flowering walls to protect the precious blossoms
the narcissus, the jonquils, the lilies, the daffioThe narcissus, the jonquils, the lilies, the daffio-
dils, all in bewildering but beautiful varieties. Everyone with a yard of land grows flowers in marguerites, etc., whilst over the cottage walls climb fuchsias and geraniums, right up to and them. I will not attempt to offer botanic names, but amongst the flowering shrubs which fenced in and protected these tiny garden squares
were the laurel, the laurestina, and what looked were the laurel, the laurestina, and what looked so strong and stout and thick that the strongest nan could not force a passage through them. Now, flower culture has become a science, and success amongst the wealthier Scillonians, but success amongst the wealthier Scillonians, but single-handed, and such a happy-go-lucky plan naturally often lead to disappointment I am -ditor may be indulgent onough to spare from time to time a corner for them. If he does you will agree with me that the grim rocks which
barricade the shores, the tronical gnowths of the
wonderful gardens of Tresco Abtey, and the


My notes this time will be just a letter from my Cousin Eleanor, the lady doctor of whom I I could may can add to the interest which her
experiences, told in chatty experiences, told in chatty form by herself, will, I
hope, have for the readers of hope, have for the readers of our Home Maga-
zine. Eleanor thus writes from her boarding house in Madrid

- My dear Mollie,--There is such an awful lot My dear Mollie,--There is such an awful lot there is such a hubbub it is impossible to collect one's thoughts. We have had a very good time concerning baggage and passengers.
letter was written from Biarritz. Mast letter was written from Baiarritz. We were up
on the morning of leaving Biarritz a little after on the morning of leaving Biarritz a little after
eight, and then after having our rolls and coffee eight, and then after having our rolls and coffee
we left for the station, taking an earlier train than we intended, so that we might make sure of better positions in the train at Irun (the frontier
town). The country around Biarritz is . grassy slopes, with all kinds of is beauti many overgrown with ivy Wild flowers of trect ous kinds abound the country, so rich in lovely
streams. We reached streams. We reached Irun about 11.30, und
here we had to exchange our English for Spanish here we had to exchange our English for Spanish
money, and put both French and English away money, and put both French and English away.
The mountains surround Irene, and remind one very much of the little Italian scenery I have
seen at Genoa. Here we first met the Spanish with their mantillas, patched, ivari-colored
breeches and stolid manners. We had to have our luggage examined; fortunately mine did not
take long. A fellow passenger had kindly carried in the dress basket for me. Mrs. M Mrat H. and I took a little walk before lunch, and
almost witnessed a Spanish bridal a double line of girls and boys standing outside a cottage, and the road around was strewn with green leaves, apparently awaiting the completion
of the wedding ceremony, but all the same they were deeply interested in us. When we returned to lunch we found the large dining saloon packed With people of all nations, the noise and excite-
ment intense, and the fun fast and furious had a desperate struggle for seats. The con-
fusion was dreadfurious. We
strent fusion was dreadful, as we only had twenty-five
minutes before the train started. minutes before the train started.
The scenery as we ascended the Pyrenees very fine.enery as we ascended the Pides of the hills were overgrown
was with fruit trees in the orchards, all just coming
into blossom. In the valleys were crops into blossom. In the valleys were crops grow-
ing. beautiful streans with waterfals, ing. beautiful streams with waterfalls, and old
stone bridges. At one spot we saw the womer stone bridges. At one spot we saw the women
washing their clothes on the stones in the flowing stream. As we climbed higher up the mountains the air became colder, and snow was seen in patches on the hilltops. Some of the glimpses
down the valleys were very fine indeed. What struck one most as we passed through the country was the abundance of priests and churches. The smallest township, of not more than a dozen
houses, always had its church of consideral) pretension, and sometimes as many as eight could he seen within a short distance of each other Tne houses in the country looked very old and
poor, mostly two-storied, and had precious litpoor, mostly two-storied, and had precious lit-
tle glass in the windows. We had a much better night in the train on this occasion. The carri ages were very comfortable, nicely padded, with
double racks, curious little windows double racks, curious little windows looking into
awoke early the next morning to find nour-
selves pretty high selves pretty high
up in the Sierra ip in the Sierra
Nevadas, very rocky roorly, vegetated Show in parts the the action of of the
alaciers we the ice ages. Gain at 6.30 lhe iter a hasty wash, nether. Del Es-
orial is a curious
town. Philiy 4. ancin 5
shipman's head, sefley island proof that the Archipelago of Scelly is, all give. dratoming, hint there is a look of solidtrum of wonders and surprises, of folk-lore and very irregulatly. The gardens were resplendent If you are fond of such, and would like to see arenues of chestnuts. The monastery is the chief for conditions, new asprects arrel H. A. A. B. -kings - We hade crypts, still lie many tapestries, fine paintings and old curios. The

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cathedral is a fine structure, much after the
of St. Paul's in London. We had coflee

or tapestries, or most lovely embroidery: even
the chairs and tables were decorated, while the
case were of marble.
rather uninteresting. Whem we arrived at Madrid
there was a division of our party at the station.
Five went to the hotel, the rest came in omni-
Five went to the hotel, the rest came in omni-
buses to our quarters, which are quite $2 \frac{1}{2}$ miles
from the station. We thought we wee never
going to arrive. When we did, we had the lux-
ury of a good wash. I have a very nice, com-
fortable bedroom.
$\qquad$
$\qquad$
$\qquad$
$\qquad$
asked during to congress for lodgings; a miser-
able room and board, with no great comforts, is
realizing $£ 20$ for eight days. This day has
practically been wasted as far as sight-seeing
vitations and tickets for the congress. It has
been a lively time. We went to the bureau,
which is only five minutes, walk from here, the
first thing this morning. There we found all the
Spanish getting prompt attention, but the for
eigners could find nobody to give then
tickets or attend to their affairs. After waiting impressive fashion, from the arm-chair of the Ingle

and was then just going out with his wife. He many of you are noticing the wild flowers during these
said he would do what he could for me, and ar- glorious, bright summer days? The Cardinal flowers
ranged that I was to come back to hear what he and blue Lobelias will be out now along the creeks, I
had to tell at two oclock.
$\square$
E.
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$ the collegiate? And couldn't I sum it all up in a
pretty little rhyme: "Order, Malvaces; genus, Malva; species, Malva Rotundiafolia! Oh, yes!
And it was such a pretty little plant. with dainty
little blossoms hiding down among the green leaves,
and the cutest little seed-cases ! But I did not know, by the way, that that same dear little mallow was
one of the most aggressive little monsters that ever polluted a garden, casting its seed in the greatest
profusion, sending up shoots from the most infinitesimal
$\qquad$
$\qquad$
$\qquad$
$\qquad$ Mr. Warner and pusley was so long and flerce that the
poor man became seized with an utter horror of even
writing the word. To obviate the difficulty, he took to abridging it, and writing it first "p-s-y," then,
finally, "p-y." Mr. Warner has my sympathy. I
thank him for the suggestion, and breathe a sigh of
$\qquad$ DAME DURDEN.

SNOWBALL PUDDING.
Boil a quart of milk; thicken with three table-
Beat the yolks of four eggs with half a cupful of sugar, and add to the oven to bake for ten minutes. Beat the whites
of the eggs until stiff, with four tablespoonfuls of sugar; add half a teacup of boiled rice; llavor
with extract of lemon, and drop in little balls
over the pudding; set in the oven until a slight crust is formed, b

JAM PUDDING
Chop three tablespoonfuls of beef suet fine ;
salt ; mix with cold water to make stiff dough ;
roll out an inch thick on a well-floured bread board; spread thickly with blackberry or currant
jam ; roll up in a well-floured cloth, and steam for two hours and a half. Serve with foaming
sauce. TAPIOCA PUDDING.
$\qquad$ over a quart of milk and let stand on the back tablespoonful of butter, and four well-beaten
$\qquad$ SOUTHERN BREAD PUDDING Put a coffee-cupful of grated stale l,readcupful of sugar and three tablespoonfuls of rica Nour together; add them to a yuart of milk; pour
over the bread-crumbs; flavor with a little nut-
meg; pour into a greased mould, cover securely; meg; pour into a greased mould, cover securely;
put into a kettle of boiling water, and let boil
one hour. LAUNDERING LACE CURTAINS.
When the lace curtains need laundering, tnke
them down and shake them, to remove the dust. Heat the water until it is as hot as you can bear
your hands in, dissolve a little borax in it, and enough good soap to make a strong suds. Put
the curtains in it, let them soak ten or fifteen minutes, then wash with as little rubbing as pos-
sible to get them clean. Rinse through two
clear waters and dip in very thin boiled starch, which should be slightly blue if you wish them to
be a clear white. If an ecru tint is desired, add
a little clear coffee. Saffron tea gives the
$\qquad$
$\qquad$ each scallop in place. Open the windows so they
will dry quickly. They will not need ironing.

## A Wise Adviser

## Mother,'" said Nettie Smal

Is Mrs. Grahame coming along the road. I exper she is coming here, and the floor isn't clean. am sure I never dreanied of any visitor coming t day, and just look at m
Mrs. Grahame will talk.'
'Dismiss your fears,
Dismiss your fears, Nettie," said her mothe (who was busy hooking), "Mrs. Grahame neve Nettie, Mrs. Grahame is a you mean woman, a wise counsellor and a faithful frien There is no deceit about her. If more wome were like her in this respect, there would be fil less ill-feeling and unhappiness in the world hettie ran upstairs to dress. The do rang
and take off your wraps. You can stay the afte
. No, Mrs. Small, only a little while, for Maud hooking. That is why we haven't seen you for so long a time. Nearly all the women in the settle
ment have caught the hooking fever. It is very prevalent during the months of February ary March. I amg alad that I am not susceptible to
the disease," the disease,
in hooking mats Mrs. Small, "don't you believe wiser (though some people might term it lazier).
But I learned But I learned a lesson when I hooked the last
mat, which I shall never forget. I was hool isit all alone, for Mand was kept quite busy doing the housework, attending the poultry hadn't tin icely stamped, and I was very proud of it." was anxious to get it finished
worked very hard.
that I could scarcely watk imes
hat I could scarcely walk, hut I kept on timi one morning I couldn't get out of lied the dors hervous prostration, caused by overwork and lack
of outdoor exercise. I was laid we for veeks, and I I, vowed that I would yever !hook " Really, Mrs. Grahame, I am not surpri es
that you don't that you don't believe in hooking, after such
trying experience. it is certainly hard especially when one is hurrying
feel very tired when nimht comes
el very tired when nicht comes,
.. Take care, Mrs. Small. remen
nce fam certain that mat-hookings is not a
healthful occupation for women. Yet many wount
ctill persist in breaking down their health, and
dith starving their minds, merely for the sake of hav-
ing some rag mats to put on the floor. They talk If economy, but. 1 fail to sere where the moin miny comes in, Malf-worn qarments are cut un, that I have known women who actually lompht new
material to finish up their mats. Wom-ont hars are almost useless. for they mate hard to homk hand way to make
cuttings from the tailors.
" Rut they are expensive, aren't then wis
Grahame?" sive articles anyway. homemade mats, frow figure up, the wort of the material used, and so figure up wocion with


 practical literature. But where is she this aften paimy, thinhines all the while how very poolish



 a
aner meneral
thus
maxazinos

 Hu tovs Inugh
sider it the best magazine published in Canada. of and prize highly ?
"Yes, indeed. We were all delighted with it Such a handsome cover, beautiful engravings, and so many instructive, well-written articles." Hook less, and read more ; provide the children with plenty of good litere ; provide the children them to read trash. Don't sit leaning over that mat all day long, but go out for an hour or two know that we should be industrious, but we should not work too hard. We should always arrange our work systematically, and take some time orery
day for rest. reading, and recreation. It never pays to violate the laws of nature. We should never forget that prevention is better than cure. lut I must start for home at once ; come and see
$\qquad$ on't Thank you for your advice: I am sorry you
(MRS.) ANNIE RODD

## On Economy.

If we look for the meaning of the word "econ "mivalent of the Latin "alcomomia," or Greek "oikonomia," from "oikos," a house, and meant in the very first place the "law of a houschold. This simuificat the management of a the one which touches us tine of the word, then, Tominion, so closely is the fors hold in this alrticle, or, rather to which we will will bortow it leaf from the meachers, andect, ue of our text under thrice heads: (1) Economy of money: (2) coonomy of time: (3) economy
heathi.
litirst, then, womomy of money: This is subdivision which must needs prove interesting.
surcly, to the ninety-nine of us : fee it te unterg stocid that it is not to of us : let it be unter "hich usuallys fullows, with so gruesome a freco in the train of the "hill-rst penny," but simply alfairs: the spencling of what we have in the very best way: the making use of what mat Tals we have on hand, so that nothing may "asted: the dome without thines that do no this be our toppe, and to it be all honor the foundation of stinginess. It may even be 1) "ave," but rather a cerdit. so nong's as the fice is cortainly not a thing one, and ito prac Wated but rather at virtue to hee set on a hil wornans, at main toe, comforts that might no Nherwioc lew whatined, were it not for so good a "Mample. And ro., how many women thore an lim :.!."..twally ashamel of having to "econo twerims. Who have not seen at least one of her many examses How volubly she apologizes fo at with what a John's trousers to fit Jamie Tus the haf ancequential air she explain gust ran thom up:" they would do him a "tur wn. onn..., "hich requited such to marticalar up his watery his mollow an

$\qquad$
s $\qquad$ the next wow, this paper is quite long conough, In cullex from many difierent sources, which may show some of the ways in which Mrs. Content-

## Very sincerely yours, CIAMILS

## Escalloped Rhubarb.

Wefore the season of rhubarb has passed, triy a dish of the plant escalloped, as demonstrated at solidly Dackecd, of bread crumbs into one pint, of a cuppul of melted butter. Cut one pound of rhubarb, into hallinch pieces. Cut one pound of rhubarb into half-inch pieces. Butter a pudding
dish, sprinkle in a laver of crumbs, add a layer
of rhularh atout a dof
marision, and can she content herself with just
sitting in her fivert sitting in her five-roomed house and hook just cross at Mrs. Wealthy's palatial one? Worse music, and art, and is she not obliged to foreco all gratification in these things simply for want of a little of the money which enables Mrs.
Wealthy to indulge in what she wishes to Wealthy to indulge in what she wishes to the
uttermost? So she lashes herself into al of mind which oannot but interfere with an state work or true thinking; and this state of true ecomes chronic. She gradually actuires a little hown that does not improve her beauty, and a
little whine that does not add to her sweetne of course she does not realize that this is so, but it is-and presently, beoause of the melancholy atmosphere she carries about with her, the husrritable, or else resignedly tolerant of hel and the tragedy has come to the home life. Now, my dear Mrs. Fretiful, if you she be, this tive want for food and clothing which sho ford even ar excuse for any wombin to fall in pleasant to do without things, thot exceedingly use in ruining the whole home atmosphere ${ }^{\text {a }}$ There are worse things than just binen than the possession of extencive are hetter things things, and a long bank account. Content tinent one of the very best things in this world, and it has often found a dwelling, place in just ... cottage with a garden round ", where luxuries,
the world knows them, were few and irdeed. Was it Ruskin who descrited home "a bit of the world rooferl in, weserithed home a
or words to that
or or words to that effect? And he was not so fa
nstray. Wherever there are foulr solid walls closing a bit of space, clean, airy, with a bright ore, here may ho howre the conces of lovert There is still another siecies of womban. Would seen here, more often met with. Have we not all is the woman oft whem crepyome says, What is ! She has come through trouble, but it has simple. Her household ador is serme, her life is
wholly. She does not despuse her matinat poor, but sh the doings of those " "hetter ofl", nor try to ay the things of this world. Instemed, she sypends her dhaves sion in life could be thetter than that ". Whe ". Whe not ashamed of making. John's trousers fit Jamio it honor to "gar auld things luik amaist heli weel's the new ", is proud of her skill in thein it any meanness to tuake Neither does she thimk of oduls and ends that a woman less thrifty and
iess sensible would have thrown away als uselecis iess sensible would have thrown away ats useles the poorest of the poor, the deni ons of thue, What are often the most extravagant among peonle r, what is likewise true, that the wealthy and :idering of economy in little things. she does not know that many of the philosophers very who extracted at least a portion of the ary poverty. Novertheless, she has to a volunpleasurchy of her own-that of finding a positive ducing it to an excrcise of ecomomy, anrl of $1 \mathrm{c}-$ finds that her home is more plactant of it, she the suppliext, her house better furnisibed; ande be tave 11 , she realizes that the best thiness in life. srating of lemont a dozen raisins (stoned), a
walls two abreast." But incongruities were not conlined to the outside of these walls, which, if which they tales about the billing and cooing never didey wight occasionally have testified, but somewhat contradictory stories afloat as to and present ownership of the premises to which they that as the grimmest of guardians. Wherever hat property had abutted upon any public thornotices were placed. warning trespassers of the extreme penalty of the law if thev dared set foot within, and it was currently circulated that every here and there man-trans were set to catch the
bold intruder. traps (which I conclude would testify to the equality of the sexes hy catching a woman too)
have kent me out of that place for the snirit of have kent me out of that mlise. for the snirit of
Mother Five has nossessed me romerding it. and Mother Fre has nossessed me row.r.ding it. and yot find out all athout it for mo mesalf. Timoking nadlocked. whl cee overgrown walks and tanglec:
hushes, where once was an imposing, well-kent
carriace drive hishes, where once was an imposing, well-kent
carriage drive Retwern the trees voll see what
has heen fing old racidence thatched has been "fine old recidence thatched and manv-
eaved. with chimnevs from which no smoke has
iccued for worent the road vou can hear the soft patter of velvety

$\qquad$
cands and thnusands of them: there'ses inte of
places thev go in and out of thev cwarm nll nerer.
not only over the arounds. hut all ower the hoilse
The house, with all ite nime henutiful furniture
without a roof a manr homn reritare this dav

teignmouth, devionibire,
is naught but a dog in the manger the don't live in it himself, and he won't let anyone else inside
the doors. Byerything goes to wrack and ruin the roof is tumbling in, and the rain pours down in torrents, for that there tappaulin which is put up in places don't count, as you may see for your self." My informant being in complacent mood
I venture on a few more questions. "Ah ) we he said, 'there be sopne story alout it, but,
don't sce that's any excuse, unless so be he's don't see that's any excuse, unless so be he's
gone crazy. They do say as he bought the place gone crazy. They do say as he bought the mlace,
furnished it beautiful, everything of the best, for his bride, and at the last moment she jilted him.
From that hour he has had the key turned upon the doors, and no one dares put it foot inside." "Does he ever EO Inside himself?", "Well, that not a hundred miles away, but can be seen a row ing round sometimes, coming and coing apparently by a mivate way across the railway and ul
the cliff, and wee betide anyone he mav catur trespassing."

## the ercentricities of the owner of what I will call

 "prerlands, not being venturesome enomeh t." wiveits ral name in print. and in most of these there wix with the of trniath and grains of fiction to亚 , enough to accont for my loneing to teet inside vo very high brick walls, which wo very high brick walls, whit
almost menacingly on your left
年
$\qquad$


Senator Vest's Tribute fin the Dog the dog was delivered by Senator Vest, of Mis in a count years ago. He was attending court trial of a case in which he was interested, was urged by the attorneys in a dog case to was
them. Voluminous evidence was introtuce them. Voluminous evidence was introduced to
show that the defendant had shot the dor in malice, while other evidence went to show that the dog had attacked defendant. Vest took no part in the trial and was not disposed to speak. The attorneys, however, urged him to speak. each juryman for a moment, and said:
. Gentlemen of the jury man has in the of the jury: The best friend a become his enemy. His son or daughter that he has reared with loving care may prove ungratethose whom we trust withest and dearest to us. name, may become traitors to their faith grod money that a man has he may ir faith. The away from him, perhaps when he needs it most. A man's reputation may be sacrificed in a moment of ill-considered action. The people who are
prone to fall on their knees to do success is with us may be the first to throw the stone of malice when failure settles its cloud upthat man can have in this selfish world the friend that never deserts him, the one that never proves ungrateful or treacherous. is his dog. A man's dog stands by him in prosperity and in poverty cold ground, where the wintry winds on the the snow drives fiercely, if onily he may he near his master's side. He will kiss the hand that has no food to offer: he will lick the sores and wounds
that come in encounter with the roughness of the world. He guards the sleep of his nauper master as if he were a prince. When all other friends desert he remains. When riches take wings and his love as the sum in its journey throught in heavens. If fortune drives the master forth an outrast in the world. friendless and homeless, the
faithful dog asks no higher privilece than that of faithful dog asks no higher privilege than that of fight against his enemies. And when the last scene nf all comes, and death takes the master in
its embrace. and his hody is lnid awny in the its embrace, and his body is Inid away in the cold
ground. no matter if all other friends pursue their way, there by the graveside will the noble dog be found, his head between his paws, his eyes sad hut oren in alert watchfulness, faithfil and true
even in death." ven in death
without a gesture. He had spoken in a low
He made no referont He made no reference
to the evidence or the merits of the case. When
he finished iudge he finished. judge and jury were wining their eves.
The iury filed out. but sonn entered with a verdict
if $\$ 500$ for of $\$ 500$ for the plaintif, whose dog was shot and it was said that some of the iurors wanted
to hang the defendant. - Nashville Aiwerican

## Signs of the Times

## Which orpulent grocers present to our view

 e cents a pound, plus a penny for freight, oh,ring it io us from the land where it grew. The templing po

How sweet to our taste is the lamblinin's hind quarte
We'ren aptuasted and served with a dressing of mint
We re alt to consume really more than we'd orter,
The juicy hind quar
The tender hind qua
Alluring hind quarter all favored with mint
How soft and seductive the first balmy breezes
We discard winter flannels and ronts cheek: frezen it
And we are laid up with la griple for a week:


How swret to our par is the frect humenter
That ioy tully trembles then first the calthird's air:
To tool other folks in like mand hima a-winging
The premature bluebird.
The frostbitten bluebird,
truth-scorning bluehird that savs suring is here
-Colorato Surings Gazette.

## Nad'r Mistake

## And sits on anice cushionct cand

While ho theams nicen cushe periforment seat
With a smile confiding and
But alter a while he grows rent sweet
If these are softly obsery
Why don't they pass the proserves

## Domestic Economy.

healthful cooking
Probably no ailment with which the human family is afflicted is more common than indigestion. The prime cause of indigestion is poorly a large amount of grease penetrates through every particle of the food, if fried any length of time. Many people will take a piece of steak and fry it until it becomes thoroughly saturated with fat, and all the juices of the steak are entirely detroyed. When it is placed upon the table ready o serve, the steak is about as easy to digest as a piece of leather, and about as nutritious. If steak is fried at all, the skillet should be made steak placed in the skillet, and allowed to remain long enough to brown through one-fourth of the meat. Then turn it over on the other side and do. likewise. Steak to be nutritious should be ed when cut open
A great deal of the meat that is baked or juices, making the too much, which destroys the oces, making the meat indigestible. Meat in weight, while if steamed it will not lose any its iss weight or nutrition
All cereals can be cooked by steam with onefourth the labor that it takes to cook them in any other way, as they need no watching or atirring.
All vegetables cooked by steam are far more then when Phe
other things have much better flavor if cooked
by steam, and are much more easily digested than
they are when cooked in a hot oven. Nothing should be boiled, as boiling takes the life out of when the liquid part as well as the solid part. the food is intended to be eaten. Potatoes shculd never be boiled. For most people baked potatoes are more palatable than any others, if eaten just
as soon as cooked. They are worthless if allowed to stand any length of time. Steamed potatoes are very delicious, and much better to keep, if left over from one meal to another, than son, in Christian Advocate.

## How to Tell Fortunes.

THE MANY SIGNS FOUND
First, the one whose fortune is to ter
hould drink a little of the tea while it is hot and then turn out the rest, bein $y$ careful not to trin out the grounds in doing so, and also not Then she must turn the cup over so that $n$ water remains, for drops of water in the ton grounds signify tears
toward, she must turn the cup around, slowly toward her, three times, wishing the wish of her After this shie it

After this she must rest it a minute against edge of a saucer-to court luck.
Tortune. the fortune-teller takes it and reads the
Three small dots in a row stand for the wish If near the top it will soon be realized. If at the bottom some time will elapse
If the grounds are bunched together it signifies hat all will be well with the fortune-socker, bu

A sinall spock near the top means a letter large speck, a photograph or present of some kind, what it is depending on the :hipe of the The sticks are people-light or dark, short o all, according to their color and length. A small one means a child ; a thick one a woman.
straight up intimasswise they are enemies; ances to be made If a large st.eck are coming for a visit, bringem, it means they If there is a bottle shape near a stick it means a physician; if a book shape, a minister or law er, if many fine specks, a married man. The sticks with a bunch of grounds on their
packs are bearers of bad news, or they will say things" about you.
long line of grounds with no oi enings be ween, foretells a journey by water ; if openincs A large ring closed means an oner of marriag an unmarried woman, to a married one it ess in business.
A small ring is an invitation.
tom or side, is a sum of
tom or side, is a sum of money at the bot A triangle signifies good luck, so tluec an half-moon or a paying investiment ; to unmarried, a new means sweetheart.
A pyramid is extremely lucky:
A square or oblong, new lands
shape, or the present may he depen ling on Leaves, sickness and death.

Only the actions of the just
Smell sweet and blossom in the dust





first wheat dean
Sisteratle quantily of


 Y®un gidedl wile lons warriied umail she is sick.
With athat stove that came ©ut olf the Arlk.
 (1)nd youn pockeraboolk Amdl be sure thot youn
"GOOD CHEER" ©வ®lk.


The Ideal Good Cheer Steel Cook
FINEST IN THE LAND.
OLD BY ALL LEADING DEALERS
The JAMES STEWART MFG. CO., Ltd. Woodstock, Ont. WESTERN WAREHOUSE: WINNIPEG, MAN.
gossip.
The raciny at Columbus and Windsor last week, showed that the three great
statles this year are those of sontit Hudson, w L. Snow and Ed. Geers Fach one of these trainers won several
races in the extremely fast time to the credit of each is now a substantial amount of money as a starter to
wards a record-breaking winting list.
spfelal prizes a feature
There were never so many syecials
given at Toronto Exhibilion Siven at Toronto Exhibition as there
will be this year.
Hecause it will too Dominion Fair it almost luoks as if
people have been tumbling over each other Preorli have woen of thbling over each othof
for the honor of geting their names in
the













 kerding, the the foes thackney stallion and
 Tor Polo ponies and Hunt events The
Itomion Shorthoum Breeders' Asoctia(iven 81.500 theard the shorthorn

## GRAND DISPERSION SALE of Shorthorns HAMILTON, ONT., TUESDAY, AUG. II, 1903



Bred by W. S. Marr, Uppermill, Aberdeenshire. Juy ulf morning.
ire Pride of Morning: dam Jessica, by Scottish Archer

## 50 FEMALES

Thirty-three of which are imported Scotch, among them several show heifers. Thirteen cows will have calves at foot.

## 8 B U L L S

Including the celebrated sire, Imp. Joy of Morning; the red two-year-old Missie show bull, Imp. Lord Mountstephen; and three imported Scotch yearlings $\Delta l l$ the best cattle are listed for this dispersion sale of the herd which has taken the highest place as the Home of Herd Headers.

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## Catalogue Auction Sale

Pure-bred Shorthorn Cattle
and 50 Pure-bred Yorkshire, Berkshire and Tamworth Pigs,
HEADINGLY, 12 MILES FROM WINNIPEG, OH JULY 27th fakes, wagons, harness, etc. M. CONWAY. WINNIPEG, AUCTIONEER

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$\rightarrow t+t+t+t+t+t+t+t+t+t+t+t+t+t+t+t+t+t+t+t+t+t+$
A. Naismiri, President. R. M. Mathuson, Vice President. $\quad$ C. D. Kere, Treasurer.
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O. R. Colowzlu, K.C., Solioitor, Brandon. Authorized Capital, \$500.000.00.

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prank 0. FOWLER, President.
JOS. CORNELL, Secy. and Wanager.

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J. O. ORR, MANAGER AND SECRETARY, TORONTO. ONT
maple grove stock farm. Mr. J. J. Hemingway, secretary of the
American Jersey Cattle Club, writes us
that all the amendments to the by-laws
 directors, at the annual meeting if the
Club, on May 6 th last, have inwi, Club, on May 6th last, have invel car
ried by membership ballot, exes it the .... making the fee for transfers 25 cents.
 Sheepshead Bay, N. Y., last month prices were poor, except for three an-
imals-Prince of Melbourne, $\$ 7.500$, imals-Prince of Melbourne, $\$ 7,500$; Des-
tiny, $\$ 1,800$. tiny, $\$ 1,800$; bay gelding. $\$ 1,000$. At
a sale of yearlings in Chicago, the same
week week, the bidding was spirited the the
best prices being $\$ 2,000, \$ 1,800, \$ 1,500$ best prices being $\$ 2,000, \$ 1,800, \$ 1,500$
$\$ 1,000, \$ 750, \$ 700, \$ 650, \$ 600, \$ 550$
$\$ 500$

| Mr. M. A. Judy, Williamsport. Ind. |
| :---: |
| has gone to | gus cattle at the Highland Show, and in

the party was Mr. W. . McGavock and
his bride, and Mr A his bride, and Mr. B. R. Pierce and his wife
three of our most distinguished Angus men: Mr. Judy, the leading Angus im-
porter, who has bought the T. L. Miller
farm near Chicago: Mr. McGavock, the Rarm near Chicago: Mr. McGavock, the
Angus sale manager, and Mr. Pierce, the
Owner of the so 100 rrince more $\$ 1,000$ bulls to to head herds than any breed. We know they will have a
and royal time among the genial Scotch
breeders and attending the shows.

## We have received the following news item from Messrs C. \& J. Carruthers, of

 Cobourg, Ont.: "We have had quite afew inquiries for Yorkshires lately, and few inquiries for Yorkshires lately, and
we are now offering the boar, Cotgrave
King 11649, whose sire is Summer Hill R. G., imported in dam, bred by Py. L.
Mills, Nottingham, Eng. dam Cotgrave
 stock as good as ever we bred (Holywell
strain), at reasonable prices strain), at reasonable prices. We have
bought another stock boar at D. C.
Flatt's sale. Summer Hill Dalmeny Din (12444) (imp.). bred by the Earl of
Rosebery losebery, Edinburgh, a hog of great size,
length, depth and evenness throughout, in pig, for sale.
Have also a few sows, in pig, for sale. Parties wishing to buy
should look up advertisement."

MEGTING and Coorling specilitiles.
 SUNSHINE

## Furnace.

Burns coal, coke or wood.
Large feed-doors will admit ough chunks.
Large ash - pan catches all the ashes-keeps furnace room clean.

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Burns coal, coke or wood.
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The heaviest, best working and most handsome kitchen steel range on the market.

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## MCOLARYME.

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GOSSIP. garding the Canadian Northern Railway's elevator plans tor Port Arthur, Ont Theso include a tile tank house, with
canacity of 5 .ooo ooo bushels which cappacity of $5,000,000$ bushels, which wint
it is claimed, surpass any kind previously existumg.

The stinglejudge aystem was adopted this year for the frrst time at the Royal
Show or Englend, and save good eutio Show of England, and gave good satis-
faction in nearly all clasese : inded in
 only one cliss havo wo notioed any nud.
verse crticism, and tin that case no taulit was found with heo jungese deecision, but
 to imposes unon to bo too heavy a task


 estimation ot the directorate ot the lead-
ing shows in
Orean licriato ing shows Im Great Iritain and $A$ merica.
The attentuon of our readers if diracted to the advertisement of Truman's Ploneor
Stud Farm, of Bushnell, ,llunots, which Stud Farm, ot Bushnel, ollinois, which
has tor the past season been running

 | Tarm was established in 1878 by Mry |
| :--- |
| H. Truman, who was at that ime |













 not ting will pay tho tarmer beter than
to buy


 our raders contemplating ory ing a stal
lion will do well to get in correspond

 ot Shire, Percheron. Belgian, Suffolk and
Hackney stallions, and he will make dit Hackney stallions, and he will make it
quite an Inducement to buyers trom Can
did dad. Mr. J. G. Truman writes, under
date of 10th inst., that he has received advice from his brother. W. E. Truman,
stating that he will sail trom Liverpool next week with a very select shipment of
Shire, Percheron and Relgian stallions, purchased by himself and brother, Mr
H. H. Truman. M IR C V H. H. Truman, M. R. C. V. S. expressly
for show purposes. A few choice Shire
mares are Included in the shipment Thes are Included in the shipment.
Their importation of Shire and Hackney stallions that arrived on April 10th are
now in fine condition, the Hackneys all now in fine condition, the Hackneys all
being reserved for show, and should do well in the rings this fall.
From their Brandon, Manitoba stables they report a very fair trade. and Mr.
J . H. Truman is attending the Western
shows. shows, Where he his exhibiting the re
nowned Shire stallions, Prince nowned Shire stallions, Prince Shapely
and Gore's Boast, also a Suffolk and and Gore's Boast, als
a Percheron stallion.
H. R. ThuABER, Toronto, Ont. A. B. ©Lancy, Montreal, Que

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 12 YOUNG BULLS from this fashionable
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4Sheep and Angora Goats.
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$\overline{\text { CLYDE Stallions, Fillies and Mares }}$


SHORTHORN Heifers and Bulls.

Ј. 巴_ SIMIT天 smithfield ave. Brandon, Manitoba CLAREMONT STOCK FARM.
 $\mathfrak{y y y}$
 Shorthorn bulls for salm


 PERCHERONS, FREMCH COACHERS Chatul alld aves, both sexes, good quality,
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 $\rightarrow$ Slorthons and Temmorths Cows. Heiterss. Buls
FOR SALE. Mootly sired by $\begin{aligned} & \text { ber } \\ & \text { deen nid } \\ & \text { nand }\end{aligned}$




## Bowness mon

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FHusic
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 rroding stock: No foeserme
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| Ecotoln Ehorthorme. est Scotch breeding and extra quality for sale moderate prices. Winnipeg, 6 miles. , <br> margen Station, $1 \frac{1}{2}$ <br> Visitors welcome and | yearling is a secret heifer, by " The Lad for Me, bred by the Robbins <br> We will not show a full herd of Here fords only a few good young things raised on the farm $\qquad$ year. Hay not more than a half crop |
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## 10 SHORTHORN BULLS <br> Aged 12 months to 14 months, sired by Nobleman (Imp.) = $28871=$. Also for sale, three fol

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Three miles from town of Carberry.
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MOOSE JAW, Wednesday, AUC. 5,1903,
Best hreeting quality and large size. I (imp. fillies, 5 mares in foal to (imp.) Fortune Finder, one of the largest horses of the breed. Oppor-
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$O^{\text {WING to lack of range, we have decided to cut our herd of draft horese down to one half }}$ and sell 2,000 head at reandly reduced
 Mating to strictly high-class Percheron, English Stire, Clydesdale and Hackney sires. We
ha furnish high grade brood mares and


LITTLE MISSOURI HORSE COMPANY,
$\left|\begin{array}{c}\text { GOSSIP. } \\ \text { Last call For hillhurst short- } \\ \text { Horn SAle. }\end{array}\right|$ The catalogue of Hon. Mr. Cochrane's
grand herd of imported and homebred The catalogue of hon. Mr. Coctranes
grann herd of imported and home bred
Shorthorns to he disprersed by auction, at Shorthorns to he dispersed hy auction, at
Hamitton. on Aug. 11 th, is out, and is being called for largely from many parts
of Canada and the States. It presents a very tempting tilla-fares. in the list of
vhist of
choice young cows and heifers. of ap Cholce young cows and hellers, of ap-
proved Sotch breeding, in whose pedi-
prees is found grees is found the blood of a long line
of noted bulls, bred by the most advanced breders, while a considerable
number have promising calves at foot. sirimed by the groand imported bulls in ser-
vice in the herd, or aro in calf to these vice in the herd, or are in call to these
splendid sires, some having alves the
sold with them and being again in call,
 gain. It is rarely Indeed that so many
hinghelass bulla are included in one sale,
and the scarcity of firsteclase on
and and the scarcity of first-class bulls hate,
been the weankess of most of the public
sales, held in this coust
 exception in that regard, as the four im-
portedo service bulls.
bred threo of why which were
br. Duthie, of Colly Yourth by Mr. Reid, of Cromleybank. will
satisft those who osee them that the are
of the right stamse, Individualy, as well as being royally well bred. Joy of
Morning is a rich, dark roan, of the Morning is a rich, dark roan, of the
Cruckshank tribe, with the Highland
Society champion, Pride of Morning Society champion, Pride of Morning, for
his sire, and his dam by the noted
Scottish Archer.
These are among the



 and his dam a Marr Missie. by the grea
William of orange is of in esame bread
ing as the Royal champion, Marenco ing as the Royal champion, Marengo
and is a bull ot grand chiaracter, smont
level and well proportioned throughout



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ANDREW MARCHMONT HERD
Scotch-bred Shorthorns




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1 purpose leaving for Scot land by the 1st of Septem shipment of Clyde horses. and will be pleased to re ceive orders for either males or females before leaving.
JOHN TURNER, balgreggan stud farm. CALGARY, ALTA

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 liso well bred drat Trayner Bros. REGINA.
Clydesidales, Standard-breds, Shorihoris, Yorkshires, and P. R. Fowls.
A number of young slock constantly for sale
Throe soung bull ready for service. Severai Spring itters of piz
S. BENSON.
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Largest Importers and Breeders of
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Stallions and mares all ages, home bred and
imporem, always for sale. Uver 50 to obooom
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GOSSIP.
Mr. S. Carter. of Manitou, with a crop about one hundred and thirty acres every ear, the summer-fallow following imothy sod. By this system of cultiva tion and a careful selection of seed, the
spreading of weeds is almost impossible and a good crop of No. 1 hard is as and a

Mr. J. E. Marples, of Deleau, Man has recently purchased a yearling Here Cord bult from the celebrated Weaver Missoureang establishment. Chillecothe Improver 1 his grand young bull, King Improver 137748, was sired by Im-
prover (imp.), one of the greatest bulle ever imported into America, and the young chip promises to be not far behind his noted siro in quality. The price paid
was A long one. was a long one.

## SOUth america buys heavily

 At Mr. Henry Dudding's (England) rore cent Shorthorn sale several buyers wer present from Argentine, and one from ularly active bidders for the best, an succeeded in carrying or many plumstwenty-two out of sixty-two head going their way. Uruguay getting nine out to improve her catcte with stock fron
Great Britain, and all importation must trace back to before 1850 , thus $n$. that country.

Shorthorn bulls for the ar
Mr. F. Miller, the well-known livestock
exporter to South America, is evidently determined to do all in his power th
push Shorthorns in the Argentine, for
mongst his many purchasise of note be has bought the following notatle
bulls:-The premier place must be given
to Baron bulls:-The premier place must be given
to Baron Abbotsford 76087 , placed sec nad to pay Royal, Nor which Mr. Miller
hy 5 . This bull was hred
hy Mr. Bell, of Ratcleugh, and owns as

 Mr. Miner was also fortunate to le able
to secure the Scotch-bred hull, First
Choice 78877 , a roan, selected 11y Mr. R Garden for his Irish herd, and succecss-
fully shown by himn on several
This sumbuls 69838, dam Mery Girl. hy ran Prime.
64670 , and then going back through a long line to the very earliest records. If
the herdbook. Mr. D. Abbot Green alsi,
sold Mr. Miller a very valuable sire in sold Mr. Miller a very valuable sire in
Royalty, by Mr. Deane Wilis' Baptunt
Remigrant 71970 , from Royal Nun 2ull hy Bright Stephen 63722 , and thence in
a direct line to a cow purchased at Hox ham as far back as 1834 . These three
bulls call for special notice, lut Mr.

CLYDESDALE MARES

Registered mares, from three years old and apwarde, for sale.

## laremont station, C. P. R., 2 miles.


international importing barll, sarila, ontario

II. J.B.HOGATEwrorum or Clydesdale,
Shire and Hackney Stallions, and Spanish Jacks. 1902 All sold bi
a.

 H. H. COLISTER, MANAGMER AND SALESMAAN

## Alex. Galbraith \& Son, <br> JANESVILIE WIS BRANDON, MAN

 coln rams were keenly sought after, parthe first prize at the Royal making, to
the forl the same buyer also taking another at $\$ 900$, the remainder making from this
price down to $\$ 35$, the average of the 37 yearling rams being $\$ 128.26$. Proprietor. R.

GOSSIP. THE RIBY GROVE SALE. Mr. Henry Dudding's sixth annual sail of Shorthorns and Lincoln sheep took
place at Riby Grove, Great Grimsby place at Riby Grove, Great Grimsby,
England, on July 3rd. The attendance was large. In addition to most of the leading buyers for export at present in the con or by their representatives, most of the principal British breeder of Shorthorns and Lincolns. Argenting and Uruguay buyers secured a very large
and important consignment. Mr. Wm. and important consignment. Mr. Wm.
Duthie secured the top-priced female of the sale, Hawthorn Blossom 10th, one of the best cows of the year, first at Nott ingham
at $\$ 725$, and her two-months-old bull calf by the Marr-bred bull, Wanderer's Chinef, at 8350 . Mr. Charles Jewel, who was buying for the Argentine, secured a Campfollower's Belle, of a family that has been bred by three generations of the Dudding family. Mr. P. L. Mills secured
for $\$ 355$ Rify Marigold, who made top price in the yearlings. The average for

New importation or prizewimuers of the vartous breeds will arrive in August

 the one followiws are a Euarantee of merit, Standing
 mormar memy nive



or. B. I. KENDALL CO.. Enosburg Falls, v..
BAWDEN \& McDONELL


SALE! INGLESIDE HEREFORDS.


High Park Stock Farm Galloway Cattle. 6 chice young bulls from 10 monthe the 2 years
olc, tor sale Prices right. Come and see them.
Shem

 TROUT CREEK SHORTHORNS



## KET <br> 年友 <br>  <br>   <br>  <br>  <br> ROBERT BEITh， bowwanvile，oit．， <br> Clydesdale Hackney Horses Is offering for sale a number of choicoly bred Clydesdales   Alblon King of the Roses， Lord Stewart and The Prior． om

 IMPORTED SHIRE and CLYDESDALE HORSES．




JOHN BRIGHT，MYRTLE，ONTARIO， Clydesdales and Shorthorns，


Is now offering for sale 8 stallions，sired by such horses as Prince Patrick（imp．），Erskine＇s Pride（imp．），Sir Erskine（imp．），Royal Laur－ ence（imp．）．Also a number of mares and fillies． Miss Ramsden，Clementina Strawberry Crim－ son Flower，Village Girl，Stamford，Rachel， Myrtle Station，G．T．R．and C．P．R． Farm connected by long－distance telephone．

## STALLIONS and MARES

MPORTED LAST SEPTEMBER thoroughly acclimated
The up to doate drafter，big and medium
weikht．dark colors，short，gtraight back．no hair on legs，immense rumps，pony－built bory． Not a shaggy lump of fat．A Klondyke th
your stable．Honest value for honest money．

BARON DE CHAMPLOUIS，Importer， dANVILLE，QUEBEC．


## IMPORTED CLYDESDALES

Another consignment of first－class imported Clydesdale stallions just arrived from Scotland．Personaly selected．All in good sires，and range in age from two to sii years．Our motto：
＂Superior quality with sufficient size．＂Intenting pur－

，
$A n y$ book reviewed in this department may
be ordered throuth this office．
＂horse breeding
Through the courtesy of the author， on＂Horse Breeding＂has recently been placed on our shelves．The subject is an ever popular one，and the success of the
former editions of Mr．Sanders＇work proves his treatment of the subject to be also popular．The book is a highly com－ prehensive treatment of the history of the horse，the origins of the different produced on the subject；the different re－ sults of his development in different countries and under different conditions， and the influence of heredity，dealing very fully in this connection with the
diseases of the horse．in the descrip－ tion of breeds．Mr．Sanders states in the judicially candid and fair；to＂nothing extenuate，nor set down aught in mal－ leen touched upon，he has tried to use arguments which to his mind are con－ clusive，while at the same time he has tried to do so in a manner that would not prove offensive to those whose opin－ own．Eighteen years have passed since these remarks were written，and in these years many theories have been exploded， and many controverted points have been
finally settled，while on the other hand many new theories have been advanced and points controverted．Ten years ago，
the work was revised and the book the work was revised and the book
placed on the market．The present issue is still farther revised，and brought up to date，and much new matter has been a dded．
To the

Lual student，the book will be found interesting：to every farmer and useful information，and to the horse－ breeder the k
indispensable．
The book is publisthed by the J．H． Sanders Publishing Co．，Chicago，and can be procured through the＂Farmer＇s havate．Price．$\$ 1.50$ ．
The summer number of the Live Stock Journal，which is published as usual tural Society＇s Show，contains many in－ teresting articles dealing with the origin and development of agricultural and horse shows，and the improvement of live stock generally．There are contributions by well－known authorities on ．＂The Hunting Sires of the Past＂：＂Hack－ neys 100 years ago＂：＂Coach and
Cit Horses in Early Times＂；＂Early Cart Horses in Early Times＂；＂Early
Show Reminiscences and Jumping Prizes＂c $\quad$＂Polo Pony Breeding＂＇； ＂The Horse of the Future Lessons for Young Hunters＂；＂＇Shire Horse Breeding as a Farmers industry ； The Oldest Industry ：． ．The Export Demand for Blood＂：＂The
Stud Sheep＂：
＂Pig ．＂Poultry Keeping in the Home Coun－ ties，＂etc．Three colored plates are eighteen illustrations in black and white． eighteen illustrations in black and The publishers are Messers．Vinton \＆Co．


 AHORTRHORNE。



FOUR BULLS（ryad Ury and stamford deme，Ared
 JIS．GIBB，SUMIUYSIDE STOCK FRIM， Bumom SHORTHORI CATTLE，stothe

 HA YTHORN HigRD




W．G．PETTIT \＆SOHS FREEMAN．ONT．，OAN．， Scotch Shorthorns and SMROPSHIRE SHEEP，

## －iv matl

 8 Limportod bullis eomings a years old old，
 Shorthorns，Berkshires and Lelcesters．
 IBNAEL QROFF．ALMA．ONTAMIO． atthur Johnstoll，

## GREENWOOD，ONTARIO，

Offers for eale at times＇pricose 6 young send by imp．sires．
6 youna buliss，of purest sootah breeding． 10 TEARLING and 8 Two－TEAR－OLD HeItrers．

OAK LANE STOOK FARM． Shorthoms，Colswolds， Yorishifirs＂u＇

## Bared Rock Fouls．

FOR BALEE ：Three bulls（ 2 impl．）．cows and
heifere，both imported and Canadian－bred． herifers ben to take orders for N．W．trade．
Wirilto or prices．Satisfaction guaranteod． GOODFELLOW BROS．，magVille．

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 (Black, Mixed or Natural Green) will be sent to any person filling in this coupon and sending it to us with a two-cent stamp for postage. (Write plalnly and montion Back, $\begin{gathered}\text { Mixed or Natural Croen.) }\end{gathered}$Name
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Crystal City Fair Prize List. HORSES
HEAVY DRAFT-Teams in harnessE. Cudmore; 2, Thos. Gosnell; 3, F. Col Fins; Rrood marea-1, A. E. Cudmore; gelding, 2 years old-1, R. Ring ; 2 , F Collins ; 8, John Mackinnon. Filly gelding, 1 year old-1, R. Ring : 2, $\mathbf{R}$ S. Preston. Foals-1, S. B. Lynes; A. E. Cudmore : 3, J. Armstrong. general purpose.-Teams in ha ness-1, Thos. Sanson ; 2,Wellington Her ron : 3, A. Hunter. Brood mares-1, A Gudson : 2, A.Cudmore : 3, P. Maclaren Fily or gelding, ${ }^{2}$ years old- 1, H Filly or eelding ingram : 3, R. Ring Ingram : 2, W. Greenway ; 3, B. Preston Foals-1, G. Hudson; 2, P. Maclaren.
CARRIAGE horses.-Teams in har ness-1, John Mackinnon ; 2, Frank Col-
lins. Brood mares-1, S. B. Lynes; 2,
lity King. Brood mares-1, S. B. Lynes; 2
R. King. Best walking team-1, A

1. cattle.
Mr. Joseri in all classes of cattle wa. following are eshington, Ninga. The Shorthorns.-Aged bulls-1, R. S. Preston : 2, Thos. Smallcombe. Bull, 2 Ingram. Bull, 1 year old-1, W. J. Ring. Bull calf, under 1 year-1 and 2 , F. Collins, Clearwater. Cows- 1, J. J. J.
Ring ; 2, R. S. Preston. Heifers, 2,
years old-1
 ploma by Purestred bull, any age-1
Association. J. Jre Ring. Beeder
hiree females. herd three females and one bull-J. J. Ring.
HEREFFORDS.-Cows-1 and 2, w. Tait;
2. A. Hunter
 old-1, W. Tait; 2, A. Hunter. Heifer
calf-1, A. Hunter. 2. JILK GRADES.-Cows-1, W. G. Duff; beEF GRADES
Greenway: 2, J. S. Cochrane. W. Steers,
2 years old-1 and 1
2
2 year old-1 and 2, F. Collins. Heifers, Duff. Heifers, 1, y. Rear old ${ }^{2}$, W. G.
R.
Preston : 2, F. Duff.

Sheep.
These were judged by Mr. Wm. Waldie, classes entered.
in
in Fleming, Pilot Mound, carried away five
red tickets. red tickets. In Grades, Peter Maclaren
took three firsts, one second, and the diploma of the Sheep Breeders' Association;
and in Short-wool (Oxford Downs) Preston, Pilot Mound, took three firsts.
Mr. Preston Mr. Preston had a splendid exhibit
poultry, consisting of nine varieties was closely followed, and beaten in
or two section or two sections, by young Mr. Greenway This class was scarcely represented judge, whose duties were exceedingly
light. light.
Dairy Dairy produce and field roots were a
good show. Grain was excellent, and
one sample of oats for one sample of oats of the 20th Century
variety, shown by R. Gorrell, was par cicularly choice in color and plumpness
The quality and finish of the eathite The industrial sections were exarticuls in good. The duties of the secretary wer performed energetically and courteously
by Mr. W.
i. Dut


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## SHORTHORNS

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 Shorthorns, Clydestales and Leicesters FOR sALE: Young animale of both exxee na good as hine best 20 Leliceet in purple, ana WM. MeINTOSH, Burgoyno ${ }^{\text {onm }}$ H. SMITH, EXETER, ONT,

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herd prizes at Toronto, London and ottawa in
lond



ROBERT HUNTER, Manager.
yoar mintroal. olootric oars. Lachine Rapids, P. Q.

## AOSEIP

The dispersion sale of the noted herd of Shorthorns belonging to Hon. M. H, Cochrane, of Hillhurst, Quebec, to take place at Hamilton, Ont., on August 11th, should interest farmers and breeders hroughout the Dominion. Confidence in the present and future of this great and growing country may well be ac-
cepted as the keynote in all legitimate business enterprizes at this time, and in none with greater prospects of success none with greater prospects of success
than in the improvement of the character of our beef cattle, for which thare is bound to be a sleady and increasing demand for breeding purposes in supplying
the needs of the rapidly-opening areas of our own country and of the great corngrowing States to the South, where
(resh blood from Canadian herds will alresh blood from Canadian herds will al-
ways be required. Everything Indicates ways be required. Everything indicates
that Canada will continue to be the principal breeding ground for high-class
pure-bred stock on this continent. It is pure-bred stock on this continent. It is
rarely that such an opportunity offers to rarely that such an opportunity ofiers to
secure the best class of cattle as. Will be be presented in the Hillhurst disperston. All and attend the sale.

On another page of this issue may be
seen a photograph of a prizewinning seen a photograph of a prizewinning
herd of Herefords, owned by Jos. Tough,
Edmonton Alta Edmonton, Alta. The herd bull is "The
General" 1438 , sire Valentine, and dam General" 1438, sire Valentine, and dam
Constance Wilton. He is an animal of rare good quality, as may be seen by the
photograph, being smooth and well-quarphotograph, being smooth and well-quar-
tered, with an even coating of firm fiesh. Cred, with an even coating of firm fiesh.
One of the noteworthy females is Maple Sugar $=915=$, bred by Sir D. A. Smith,
sire Wilton Hillhurst, dam Phillus. Ansire Wilton Hillhurst, dam Phillus. An$=2044=$, sire Ingleside 2nd, dam Lucy May, by Senator. A two-year-old, of of
almost ideal Hereford conformation, is almost ideal Hereford conformation, is
Gertrude $=2039=$, by Spotless of Inglesertrude =2039=, by Spotiess of Mgle Tough had also on exhibition a beautiful
ten-months-old calf, bred by himself ten-months-old calf, bred by himself,
sired by Dunmoor Ingleside. dam Mer
, Man been added to the herd from the Smith herd, Compton, Que. It was intended
that these would have been on hand in that these would have been on haty in
time for the show, but unfortunately the car from the east only arrived as the
exhibition was closing.

The photograph of Mr. P. Talbot and of this issue, shows a number of one of hhe very best herds of Shorthorns to be
found in Western Canada. sound in Western Canada. At its head
stands Royal Macgregor, an animal of
care goood quality, and one that would stand a lot of beating in any show-ring He was bred by Cargill \& Sons, Cargill,
Ont., sire Royal Member (Imp.), dam Rosa Lee. Among the females is Coulee
Rlossom 2nd, the first-prize cow over four years at Edmonton. She is a typiand received her honors at the Northern Show amid very strong competition. Her
sire was Goldsmith and dam Coulee Blossom. The first-prize two-year-old a
the same show was Coulee Blossom 4th a full sister to the last one, and one that gives promise of developing into a cow
of rare good quality. A yearling of of rare good quality. A yearling
more than ordinary merit was Pearl, by
David dam Flora, more than ordinary merit was Pearl, by
David, dam Flora, by Royal Sailor. This
splendid herd from the rich grazing lands splendid herd from the rich grazing lands
of Lacombe, Alta., was represented by seven head at Edmonton exhibition, and
any
any any one of them would be a c
any show-ring in this country.

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GOSSIP.
ST, Louis world's fair notes. F. D. Coburn, Chlef of the Department Exposition, has arranged for a total of over 26,000 prizes in the classifications tor horses, cattle, sheep. swine, poultry, etc., for the World's Fair shows next
year. year. These are unprecedented in annount, and are dvided among twalve wilh 2,352 prizes; four breeds of dary cat. the, 560 prizes : nineteen breeds of horses, 3,458 prizes; eleven breeds of swine, 2.772 prizes; $\quad$ fourteen breeds of sheep,
2,543 prizes; $\quad 375$ varieties of poultry end pigeons, 10,300 prizes : fifty-seven bretds of dogs, 2,604 prizes. There are thirty-two additional prizes for single cows and herds entered in the dairy demonstration, five for oxen, fifty-five for mules, and 1,310 for the estimated dis plays of pet stock, vehicles, etc.
Prizes ansision has been made for dive cast
ponorable mention ewards in most sections, except poultry The final arrangements of the classifica tions may still further enlarge the num-
ber of prizes offered. Mr. Coburn will hereafter be officially Live
Liouk. The Exposition has added much to its popularity in making live stock an independent department and giving it a separate chief, with a prize
fund of $\$ 250,000$ This substantial recognition will do much to attract at
tention to the great St tention to the great St. Louis enterprise
and secure the hearty co-operation of
stockmen. This is the first world's fair to give live
stock the prestige and rank of a
department with and the great extent and high character
and
of the live stock exhibits already assured of the live stock exhibits already assured
the World's Fair confirm the wisdom of the worlds $\begin{aligned} & \text { Falir } \\ & \text { thiseral policy }\end{aligned}$
be the first world's the holding of public sales of pure-bred
stock. Complete plans have been made for a ring for public sales apart from
the main sales may be held without interfering with
the judging or other features of the exhibithe judging or other features of the exhibi-
tion. The sales will be under the
auspies auspices of the breeders' associations in-
terested, and wilthin the period in which
the breed will be on exhibition. The the breed will be on exhibition. The
following associations have already asked
for assignments of sale dates : Cattleor assignments of sale dates: Cattle
American Shorthorn Breeders' Association,
American Hereford Breeders' Association Anerican Aberdeen-Angus Breeders'
Association, American Galloway Breeders ${ }^{\text {ens association. Horses - American }}$
Percheron Horse Breeders' and Importers
Association. Swine - American PolandCssina Record Company, National Duroc-
Jersey Swine Breeders' Association, AmJersey Swine Breeders. Association, Am-
erican Berkshire Asspciation.
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