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WINRIPEG, PAN.


The Robin Hood Mill ROBIN HOOD FLOUR Is Made " Different '

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mand for Robin Hood Flour. Ever since this flour first got ver sincest flour first got into the homes short of sensational. We want you to be a party to this suc cess. How can we induce you? By highest quality ? Robin Hood Flour has it. By best value? This flour gives it. Then, Madam, why not you
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Both ASPHALT and RUBBER
Brantford CRYSTAL mates
Brantford CRYSTAL is made
in heavy weirht onls. It has a in heavy weirht only. It has a
mineral surface of rock crystals. We spare no expense in the making of Brantford Roofing. It is the highest grade roofing on that kind of a roofing look for that kind of a roofing trademark shown below.


(1) 0 styles, is made to our own speci-
fications. It costs $331-3$ per

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decline some, though it is difficult to see how they may be reduced to the level of the last low price era. It may be expected then that the same performance will be indulged in, farmers selling off their brood sows and breed ers talking about shooting off their purebreds. All because a little overproduction has unsettled values. And again the man who sticks will be the one to win. It has been the history of hog raising in this country that those who stick to it make money, but those who are out one year and in the next are seldom any further ahead. For when they are going going in again 1usually coincides with a denera stampede for breeding stock. Consequently they are buying at the top and selling at the bottom all the time. No wonder there isn't hog business. It pays in the lons rum.

Money Wasted on Roads
A perusal of letters that appeared in these columns recently, dealing with the construction of satisfactory road-beds across sloughs be managed or supervised. To many, the thought of wasted time at statute labor re turns. There are few localities in which, at one time or another, men have not simply "put in time." Those who have not worked at half speed have been engaged at more or less use less work-many have experienced both.
This lack of satisfactory results in road building or road repairing may not be caused by the adoption of the statute labor system. It is, however, due to the fact that seldom is a capable road superintendent available. 100 many forget that work on highways is a
science and that it requires more than the annual expenditure of the time of a given number of men and teams. In many instances more time is allotted for statute labor than is called for by the condition of the road.
It is evident, therefore, to anyone who has given the matter careful thought that all road construction and maintenance should be under the supervision of a district superintendent, who in turn should act according to suggestions fom a provincial will he be able to do more satisfactory work, but also he will use men and teams to advantage.


## HORSE

## Observations on Horse Subjects

## Senur tront hewsapers ane tra trouble

 horse races pulled off from day to day on the various tracks in America, and after Mr. Mille of anti-gambling bill fame, had succeeded in in ucing parliament to substitute in part for sectio 235 of the criminal code, the following: "Every one is guilty of an indictable offence, and liable to one year's imprisonment and to a fine not exceeding one thousand dollars, who advertises prints, publishes, posts up, sells or supplies, of offers to sell or supply, any information intended to assist in or intended for use in connection with book-making, pool-selling, betting or wagering port, whether at the time of advertising, print ing, publishing, exhibiting, posting up or supplying such news or information, such horse race or other race, fight,, game or sport, has or has not taken place." In enforcing the measure right to the letter those behind the antiights movement are certainly within their part of wisdom not to be overzealous in the en forcing of certain parts of the Miller Bill. That minione went through pariiament with public pect to its merits. In the form in which the Commons adopted it it contains many excellent fagrant abuses that have grown up around horse racing in recent years. But to be efficient it has win public confidence and support. The better class of the Canadian people will standbehind Mr. Miller and his confreres in their we are not so certain the people are as ready to back them up if they attempt to use the powers o the end that news and information on horseacing may not be published in the newspapers. hiler Bill enthusiasts and those who have at heart the weeding out of evils in connection with horse-racing would be wise not to let their are plenty of evils surrounding horse-racing which they could direct their energies in putting stop to, under the provisions of this anti-gamb-解 he results expected of it those who charge themhey can of any semblance of seeming to dictate moral conduct to the public The public will stand for most of the provisions of the Miller Bill but they will not stand for its being made a uisance of

Practitio

University closed out her veterinary department some years ago. It was the institution's sister university in Montreal that we had in mind when penning our observations of a few weeks since. Practitioner evidently knows something of the opportunities to win worldly wealth and social position afforded by the veterinary profession--knows or imagines he knows, probably the latter. ready to accept government posit graduates are postmen's salaries, for reasons than and sufficient to themselves. rens seem good those that force olleges to go in for some line agricultural he em. what they should is meagre as compared with ability and training to were they to apply their sons similar to those that force a dicuture; reatistry. of those that force a doctor of denbetter 1 of a little as good. It takes money nery, sometimes not ness ability takes money, nerve and some busiprofessional work and if a man in any line of one or on all three he will have ts short on any can of his talents, even sell them to the what he ent to be employed in inspecting carcasses inAlagher house for seventy-five dollars a mon a All of which is no proof that there is no money the veterinary profession, any more than the act that a dentist starts working in another號 that the fact that an agricultural college graduate
 that there is no money in farming. Men in an mes of work do these things because they have , or because they would rather work on small ald try to establish a business or prac-

Why veterinarians should hanker after gov ernment jobs and give up lucrative practices for he privilege of occupying an official position s rather more difficult to explain. We doubt if ome who have gone through the experience could xplain exactly why they did it. However, that no proof either that money is not to be made any reason why veterinary medicine; nor is it as a line of work. There are opportunities in the veterinary profession for any young man who work will be a sort of pink-tea affair most of the ime. As to the social status of the veterinarian, that is hardly worth considering. There always has been, and probably always will be, a lot of consider that his work in life entitles him to social preferment that is denied another; but neither Practitioner, if he has the individual qualities that make his social recognition worth while, nor any other member of the profession similarly qualified, need pass sleepless nights orrying over the fact that their business bars them from participation in the frivolities of what society fondly terms the elite. It isn't worth while The man who goes into the veterinary profession with qualities that will win success and habits of life that are decent need have no fears of making either a financial or social failure. chars work that earns even less than postman's wages.

> An English breeder writing in the London Live Stock Journal states that his experience has proved that Shire fillies, which have bee horoughly well fed and cared for, may be pu o the stallion at two years old with very satisactory results, as instances of winners breeding winners could be mentioned. Owing to the yrowth of the show system the young stock of most breeders are fed with a view to getting big animals, consequently the two-year-olds of o-day are bigger and more developed than the hree-year-olds of twenty years ago and quite as well able to breed. There 1s, however, take refore a three-year-old gets heavy with her first erore a three-year-old gets hea wirn to work. or she may become difficult to manage

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ker after govve practices for ,fficial position xperience could However, that not to be made t consider this rtunities in the oung man who he idea that his fair most of the There always will be, a lot of man will always entitles him to another; but the individual cognition worth the profession
sleepless nights business bars volities of what the veterinary sill win success ot need have no
or social failure. to choose work Equitan
the London his experience or, may be put with very satis Owing to the young stock of view to getting wo-year-olds of than the ago and quite however, one with her first learns to work

June 8, 1910
FARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG

Ventilating Horse Stable Editor Farmer's Advocate Enclosed find a rough sketch of my stable. It is to be lined up inside with tongue-and-grooved material. I intend cutting holes at each corner on the outside close to the
ground and leave an opening above, close to the joists. Would it be better to have outlet shaft run up the side from within two feet of the
ground floor, and out through the roof above the eave, or have a cen er shaft as shown in cut

a simple form of the king ventilator

Kindly give the views of any person on the sy
Sask. HARRY Ducie.
The accompanying sketch, adapted from the drawing sent in, shows the most simple method
ventilating a horse stable along the line own suggestion. B is the outlet shaft, the most It should extend from within a foot of the re peak of the ground un it up the side and out at the eave. The outlet shaft serves the same function in a ventila tion system as a chimney does in a heating sys-
tem. It has to draw off the impure air, and the chimney draws off the products of combustion mest it should be constructed similarly ossible, and carried out at the highest point of he buncir.g on when it is located. The longer anctel haf, and the be the lo sructed. the greater will be the draft, and the oms of venct the syil. men ventiation is sual to the this shat he shaft as nearly air-tight as possible is to contruct it of two-ply matched lumber with build Make it as nearly square Spossible, for a shaft square or round offers he air Have the shaft of uniform size from
 the statom and carry it out all need twe ts. stable is all site one is suffient Th ets; for a small stable, one is sufficient. The - $m$ a sable and the number of animals in to accommodate, not being given, it is impossble to estimate the sizc-o the shat. But cqual to the combined areas of the cross-sections if the inlet shafts and you will have the correct ala, betweer the two. Outtakes and in akes should provide 30 square inches per heal when the outtake has a height of sould be greater er it may be less. This will give a fairly er it may be less. This will give a fememte rule to follow, though it must be rente
that the rate of inflow and outflow of air
the temperatures, as well as by the wind
alm warm day no system of ventilation
differences and the velocity of the wind, will be as effective as on a cold, windy day.
The traps marked A A in the sketch ings into the outtake shaft at the ceiling to perThese may be used to advantare being drawn off it will probably be found best to keep them closed tom, only, to draw the coutter, fouler air from near the floor.
wall in the manner shown may be built into the be left at the ceiling, if a stone or brick wall openings being left just below the joists to ad mit the fresh air. Drain tiles set in the walls make a convenient inlet for the fresh air, but the system shown is to be preferred, for the reason that the warm air near the ceiling cannot be drawn out through the inlet flues when they are arranged in the manner shown. Have the outside opening at least three and one-half or four teet lower than the opening on the inside, and two feet or so above the surface of the ground The inlet flues do not need to be as tightly built as the outtake, their function being merely to permit the cooler outside air to pass into the stable under the force produced by the difference in temperature between outside and inside.
The above is a brief description of the King cystem of ventilation, as it might be applied in suit individual circumstances, but from the ide conveyed in the sketch submitted this style will probably meet your requirements. You might, if you wished, have the inlet flues discharge near
the center and run the outtake from the side walls, either carrying it up under the roof to che peak or running it straight up from the caves, to above the ridge board. Have the sible to do so, and do not think the system can bel made effective by having the outlet at the

## STOCK

## Almost One Hundred Steers

For 15 years J. L. Cook, of the Newdale dis lrict, has bech recognized in Manitoba as a suc had less than 70 animals for winter feeding. Durng the winter just gone he fed 95 . This lot inluded 82 steers and 13 heifers, most of them of Shorthorn breeding. Some were bought last October in Winnipeg Stock Yards, and others Feeding began November 1, and the animals were sold March 17. In the 137 days the aver-
cluded this was unprofitable. It was concluded that something must be done to fit the stock for a long rail shipment. Outside feeding was the remedy adopted. His feeding yard has timbe protection and running streams. Where these shations are not avalable Mr, Cook advise

## Chester White Pigs

Last week a reader with a desire to try his
hand at raising hogs, enquired where he could purchase Chester whites. Ihis is simply another matrice trat stockmen do not make sufficient use of agricultural papers in telling brother farm ers what they have for sale. II you have Chester Whites or any other breed for sale it pays to

## Fitting Sheep for Exhibition

Editor F
As soon as we begin to discuss live stock the question of "Heredity vs. Environment comes up. In this letter we will substitute two words. Perhaps they are not quite as comprehensive out they nearly fill the bill. The words are breed and feed.
Set the intending exhibitor remember that it
 end In oter the class in which it is to be shown mor hor you feed, if your the shas in shrew-ring. There are culls and scrubs, even that an animals, and it occasionally happens dividual and is good inOn the other hand let the to the mark itself hat no mert he the remember dividual merit pure will be dow good the the show-ring unless the be hsappomment are and feed for some time pe has been proper It is well for the amateur exhibitor to bear in mind that, like charity, fat "hideth a multitude of deficiencies." On the other hand, remember with breeding stock it is possible to get so much fat as to lessen the chances of success in breeding
The sheep, to win at the summer show, must be kept in fair condition during the winter, fed some grain during spring till grass is good, and fo ewe sucking a lamb is is to continue the grain, even if the grass is good, though often they do not care for grain for some time after the and brans. Hm winter feed oat sheaf, or oats and bran. 1 am not in favor of feeding barley that it may be alright for the ewes but the lambs will not be so strong or thrifty .Teach the lambs eat little oats and bran. They will learn if a corner is fenced off, leaving small soon ings that will allow them to pass thr small openI have never found a lamb injure itself by ing too much oats or bran
It will be an advantage to bring the sheen in

time，so as to have them take their grain；and it father and mother he inherited a love of rural changed places with March，and between cold east is well to keep them in part of the day as ex－pursuits．The lamented Prince Consort，hus－winds，heavy rans，show believe that the eat more dry feed，so the change will not be so vance of his time；a stock－breeder，and a patron not a month younger than the calendar proved it sudden when they are taken away from home of agricultural development in every form．to be．Now we have had about a fortnight of wise they will fail when taken away．was known as Farmer George，and the late King gered．One day we have had of delightful sum－ If one has time and patience and the lambs Edward VII．was thus，as it were，born in the mer weather，but generally it
 you must crowd her near the danger point，must yards，like those of the Royal，the Highland，winter wheat．This will be an unfortunate experi－ force her so that she will be in proper order，and and the Smithfield Club，were not everything lament the change they made．However，all will often it would be the wiser plan to dry her early functory outings．He the lamb to a foster－mother．$\quad$ and asked about everything，On his last visit come right in time，and we will sce good har－ The appearance of sheep in the ring depends to the Smithfield Club Show，in December， 1909 ．vests and plenty of food or man and beast． best to trim some weeks before the exhibition．tempted；he ascended the stairs and inspected shire cattle is unusually brisk．Seldom have so I consider a half－pint of oats twice a day good the implement and produce stands which crowd many horses been exported at this early season of
grain rations for a sheep a pint twice a day，the galleries．His own successes with cattle，the year．Ayrshires，with the advent of publicly－ heavy feed．horses，sheep and pigs were always pleasant to kept milk records，are coming to their own，and
Man．T．R．Tond．hime

Our Scottish Letter Only one subject at this date（May 14th）en－ gages men＇s thoughts here－the death of King Ed ward VII．The end came so suddenly that fey quite realized the fact，and only now，as new ar－
rangements are being made，do we begin to know how great the loss has been．King Edward had many kingly qualifications．His occupancy of the throne was comparatively short．Scarcely one held the seat for six decades．Hers was a won derful reign in respect of all that was crowded in and religion．The Victorian era，like the Eliza－ bethan era，in British history，was a time of phe nomenal progress and striking national growt human knowledge flourished in these reigns，and he would be bold who would seek to appraise the value of the two（He always had a large collection of High－ling filly by Baron o Buchlyvie（ 11263 ），the stal－ VII．did mur and at his Aberdeenshire farm of Abergeldie in the courts．He is breeding splendid stock，and British throne by his liberal interpretation of $t$ h meaning of＂constitutional monarchy．＂He wa essentially a democratic ruler，and it would be is making of his character in that regard．The fact that he favored Gladstone and Campbell－Be fact that he favored Gladstone and Campbell－Banner suggestive．He had a keen sense of justice and equity，and was as far as possible removed from the attitude of the French monarch who，when asked about the people，said：＂Let them eat grass．＂It is reported that when the Boer war
was nearing its sad close，he said：＂The Boers are gentlemen－let us treat them as such＂ His commanding characteristic was tact，and in King Edward VII．was in the best sense of the term a thorough gentleman But those
nterest in


FARMER' considerable prosperity in the Emerald isle.
Advanced agriculture is receiving increased at Adion on both sides of the Atlantic. The in-
tentiong number of training colleges and farms and the extended equipment of these point to a andeat advance in knowledge on the part of the next generation of farmers
The report of the Macdonald College at Ste.
ane de Bellevue, Que., has just come to hand. Anne one reads of its many-sided activities he marvels whereunto this thing will grow. Training in the family seems almost at a discount, and one wonders whether, with it all, the next generahave known. I cherish a wholesome skepticism on the point, because 1 do not thimk any training
so develops the intellect as moral training. The so develops the intellect as moral traming. The moral nature, and you cannot but train the intellect." The modern theory is: "Train the eye.
the brain, the head; let the conscience go as it the brain, the head; let the conscience go as it
pleases." The end of this may be a smart race it will not be a strong race. The only race that abides is the race that is strong in the
moral virtues, and all the deftness of hand that moral virtues, and all the deftness of hand that seco carefully and a first prize of $\$ 3.00$ and a moral virtues, and all the deftness of hand that second prize of $\$ 2.00$ awarded each week. Other
one may acquire will never educate the con- letters used will be paid for at regular rates to science. My rdeas may be out-or-date, but contributors. let me give them vogue: Educate the con- June 15.-Give directions for handling a flock science, gentlemen. Show the youth of Canada of hens in summer when it is necessary to close the significance and greatness of moral distinctions, and the brain will be educated in the process. The most nimble race in Europe is the least moral, and its greatest teachers are declaring its descent into the abyss.
Here we are receiving from politicians many things that we never asked. We are to be developed agriculturally by gentlemen who are called ity has been constituted to look after our highways. Hs the is the Road Board. The chief for the supremacy on demonstrate and provide Cor the supremacy on our public highways of the purpose is to make roads safe and comfortable purpose is to make roads sate and come of cattle
for the motorists. The man in charge and sheep must look after himself. In all probablity he will be condemned to send one in front with a red lamp, so as to prevent his sheep being agriculturist does not count for much in the road battle. He pays his taxes, his road rates, and everything that is charged against him. He is an obedient and subservient ass, and has the reward which usually falls to that patient and useful animal. It is not easy to say what the end of
all these changes will be, but meantime the pros pect is that the farmer will have a heavier share of rates to pay than hitherto

## FARM

## Topics for Discussion

$\qquad$ farm work The Farmer's Advocate has adopted "opics for Discussion" column, in order that which may see an open channel through as to practices may inform thelr brother and warn hand

## hem against methods that prove unprofitable

opics announced for the various issues but also
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June 22.-Describe how to build an implement shed. Particularize as to dimensions of a building to house the implements on an average sized arm; state where you would locate it, how you would build it, and what would be the probable
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$\qquad$ ce parties now striving for power or the relation hips of certain organizations to the policies of
$\qquad$
$\qquad$
$\qquad$o you advise cutting grasses or clovers with which保 have had experime, and how can they be

## Building Farm Fences

## Some good practical points in fence-building <br> $$
\begin{aligned} & \text { Some good practical points in fence-bullding } \\ & \text { re offered in the articles that follow. The neces- } \end{aligned}
$$

 ompetition we have felt that despite the fact second in a like mannuite as easily put up as the single wite stretched and woven on the posts. It may require some of woven pull to stretch sixty or a hundred rod of woven tencing, say six or elght wires high
but stretchers can be procured that will tighte
x.xipeg
and weave in uprights after, that is a matte on whict oppuron is dyviled. but we beleve the weave on their own posts, and in our experience such power as can be applied to a lever with on

Fence-Making Suggestions
ditor Farmer's Ableca for the prairie fits trike out your line ; second, plant the corne costs in their respective places, always bearin mind that a well planted comer is half the To make a good corner set the post at least two eet eight inches deep. Pack it in with stone the second post should hole to surface of ground and thirteen feet from it All first and second posts should be not less than six inches in diameter.
Brace the first post by running a brace at teas x 4 from the top of the end post to the second post at the surface of the ground. The brace hould be about 14 feet in length. A six-inch marac pole makes a good brace, if one can be ecured. Twist a double wire from the top of the cond post to the ground line on the first and corner is complete. Always build an end ost at least every half mile.
After the corners are all planted, load the wire At wagon, placing three reels on a ba wich is chained across the very hind end of the agon box. Loosen the end of the wire from
 inches from the ground. Fasten the wire from the second reel in like manner 33 inches from the round. Fasten the wire from the third reel 8 inches from the ground, all wire to be fastened

Drive the team in a direct line to the second ires along the fence row. At the second orner tighten the top wire and fasten its corne are pressing on Western farms, and we, are can stretch one-hall mile at a time. The short gradually drawing away from the era of barbed end, from the stretcher to the post, I stretch wire. However, in awarding the prizes in this with a claw hammer. Stretch asa space the the the one standing first is a description of wire last of all
barbed wire fence-building, the amount of gen-N ar a three-legged stand or table three in firsto String the posts along the line
Serenity, undisturbed by fretful restlessness, ing it in first place, are are characteristics of a good brood sow. Any means areed form feet close to breeder or experience will know just what is the hole with water as you make meant when it is said that a sow is "motherly. or the first gols which have been but the exact meaning is difficult to set down in who follow should find it necessary to constrach one the in each hole. Drive the posts $2 \boldsymbol{l}$ words. This maternal manifestation has an more fore fore the posts with chalk the same important bearing on success with a litter, and ous the dam's promisc in this regard should have the teat her purchase. In making a seecion there are a dozen, well-formed, not too small or abundant milk. - From Coburn's Swine in
Swine offer a greater opportunity for improve-
ment and up-srading than any other class of liv
stock. There is no reason why any farmer rais
ing hows
sire and comtinuing to use a sire of the sam
at little expence, a grade herd ernal to purebred
animals
retains
starting,
herd can


Staple the top wire on post, then wire the center has the advantace of the other that one can put rounding off the centre of the grade and levelling wire and the bottom last. Fasten all three up a fence that will turn cattle or horses for half it generally, we had a pretty firm embankment wires as you go along. the amount of cash, and if he needs a better I had this grade stoned on the sides and fenced The posts should be at least four inches in di- fence all he needs to do is put on more wires and as it was a favorite watering spot for cattle and解 wires at his convenience. The horses get hard wood or tamarac, use poplar or Balm of posts of a woven fence need not be less than 35 No grade should be made less than 14 feel Gilead. These soft woods will last as long as feet apart, nor set more than $2 \frac{1}{2}$ feet in the ground. across top, though 16 feet is much better. This the best oak, provided you peel them and treat As for barbed wire, I have no use for it them with the creosote treatment, the formula experimental stations.
will mat an cattle fence.

## Makes Grade Sixteen Feet

 for sheep, use a band of 26 -inch wire at the bottom with five No. 12 gauge crimped smooth wires above, finishing with a hog barbed wire on top,making it fifty-two inches high, and you will have making it fifty-two inches high, and you will have a fence that will keep your sheep in as well as keep the coyotes out. To make such a fence stiff, it should have three uprights between each first and Place the bottom of woven wire within one inch the ground.

## Has No Use For Barb Wire

 Editor Farmer's Advocate with sloping banks, which generally held wate the proper seting point in fence building the greater part of the summer. when there was and end posts. A corner or end post should but little water in it, but it was rather sticky be 9 feet long, and not less than 6 inches in in the centre. In the first place sufficient green

In summerfallowing disk the stubble as soon as possible after harvest to start growth of weeds and grain that has shelled. In order to make the best job, enough power should be put on the disks to haul two sections of lever harrows be hind the disks, thus saving the maximum of moisture and time. Lever harrow permits such slope of teeth that they are self-cleaning, and also help to pack the ground by their down ward pressure. I find a six-horse team abreas is about the best for this work Two horses walk on the plowed land and are changed to suit Patches of grass should be plowed immediately after seeding being careful to get well outside of the grass, turning the furrows to the right and thus avoiding burying any rootstock Plow in any direction to suit the shape of the grass patch. Watch the weather for a dry spell and endeavor to plow just deep enough to get all the roots and turn them up on top, where the sun and wind will dry them. No harrow should be used here the object being to dry out the soil and kill the the object being to ary out the soll and kill the which it does about July I find this a very effective method of killing grass. I prefer to plow five to six inches deep, with lever harrow drawing from frame of the gang plow. This gives a double stroke, the harrows being four feet wide. A packer should be used as soon as possible. Plowing eight to nine inches takes too much firming, is much heavier work and gives too rank growth. The grain is thereThere is in ripening.
There is only one time in which to destroy weeds on plowed fallow. This is when they are just coming out of the ground, and are threadlike and tender; a double stroke of the drag harrow will destroy them. If the weeds are neglected and allowed to establish themselves you will have a "Hobson's choice" of either allowing the weeds to re-seed your land or of plowing again and wasting your moisture. Biennials need the cultivator to uproot them, and if a thin crust of frost can be taken advantage of it is most effective in assisting the cultivator in its work. If for any reason the weed should grow too long (before of the furrow where the covered at the ends
comes out, mow one swath across each end of the field and no seed ends of weeds will be left to curl up and ripen. Four feet of boiling wire put on a chain about a ant from the end or middle of moldboard will and bury all weeds that escape from the

## June 8, 1910

Farmer's advocate and home journal, winnipeg

Founded 1865
ade and levelling $m$ embankment. ides and fenced ot for cattle and
ss than 14 feet
ch better. This $s$ are not pressed ather, which i fills at tearing
at all possible ade of nothing mall the culvert. more accordin never tried the or metal cul the wo
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s circumstances I think that i cured, who will time in full in

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1 order to make ld be put on the ever harrows be he maximum of rrow permits of are self-cleaning id by their down rse team abreas ork. Two horses wed immediately wed immediately get well outside $S$ to the right an f the grass patch. the grass patch all the endeav he sun and wind he sun and win
uld be used here soil and kill th ass from seeding find this a very
inches deep, with ame of the gang e, the harrows r should be used ght to nine inches he grain is there-
hich to destroy s when they are and are threadlike he drag harrow mselves you $\cdot$ will her allowing the plowing again if a thin crust of is most effective
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 e field and no up and ripen. moldboard will

## Money Wasted on Roads

 Editor Farmer's Advocate: I have been in a new country where road have been hard to build on account of so many Coming sloughs to cross, and I have seen much money harrowing just spent where it has been of very little account, all sharp, it is almost ruinous, I think it breakWhy? Because our council men go out to build roads and don't know how. This thing of spend- ground and the plant is not strong enough to ing money on the dry land and leaving the low stand such treatment. Therefore, I would ad
wet places is no good. In this kind of work the vise harrowing wheat when it is about three t

Beef-Ring Near Red Deer dry hills should be left alone and the low pork filled up. Why not make a ditch through th hill and draw the dirt in the low place, making the ditch in the low places no deeper than was demanded by the dry places. When the ditch place and causes a soakage through the grade This is the reason there are so many bad grade. on our roads to-day, and money is spent year after year with little or no benefit

Another fault with road-making is making the The water can't get through in the spring and This causes a big washout which spring, and this causes a big washout, which takes money put a team through I find this a very good plan: passage wide enough to 'et the horse through let one horse take the scraper through alone, as there is not so much danger of getting him down in the sole a start is made there A road grader is or
A road grader is of no use in places like this As a loss of time and very hard on horses it besides it makes only a narrow orade and leave the ditch too near the center of the road. If there is much water it washes the the read. there is much water washes the grade away. fence. This gives most of be one rod from the The grade should be not less than eleven feet The grade should be not less than eleven fee the grade will continually spread, leaving i very rough after rains. I built three-quarters very rough after rains. I built three-quarter
of a mile of road through a very bad place People thought I could not make wages, but planned my work right, filled in the very we planned my work right, filled in the places with brush and made $\$ 40$ over wages five cents a rod more than my contract called for cents a rod more than my contract call

Harrowing Grain After It Is Up Editor Farmer's Advocate:
The practice of harrowing grain after it whereas the summerfallowed land vas firmer, summerfantoniny, is to provide moisture
ane therefore the harrow teeth do not sink so suceeclinf
deeply. harrowing just detrictian part innctat

Beet-Ring Near Red Deer
four inches high and on a dry day with dull or Some farmers the east of Red Deer decided slanting harrows, especially if it is at all weedy, in the winter of 1906 , to try to organize a beef and to harrow the way it is drilled. The land, of ring. It was uphill work at first to get enough curse, must be dry to get good results. I have people interested, but by staying with the idea ot adopted it as a fixed practice, but would and working, and several members agreeing to o so if 1 always had the time and suitable take two shares each to get the ring started, a weather. Even if there were no weeds it puts the beginning was made. Officers, consisting of land in perfect shape. president and secretary-treasurer, were elected

## Rape on Summerfallow The principal rules at present are:

1. That only animals between 2 and a ant ure. What is the best way to prepare the land, to be barred.
and what is the latest date that rape can be sown By sowing rape and pasturing it, is it as good as ummerfallowing alone?
e barred.
Threeappointed inspectors, one of whom is filling mine all animals as to their suitability for killing at least three weeks before date set to


The labor for putting up slaughter-house and be only a little above the cost df a stave silo. and pure as to variety. It should be uniformly building corral was given by members. The ventilating facilities are operated from hard or glutinous, and that gluten should be of The order of supplying animals was settled the ground on the outside of the silo by an in- good quality. In order to get the above qualiby ballot and a record of names and members genious device, and the structure is provided ties the miller selects a grain that is uniform, and kept. The second year the order is 10 to 20 and with the usual doors and entrance on the side experience that a large berry has a thick bran 15 to 20 and 14 to 1. When several members quite indestructible, free from the danger of fire percentage of flour. Before he mills his live along the same trail they take turns to de- and will always maintain a uniform temperature. liver one another's meat. We had one ring for if there would be four this year in the Red De

## Alfalfa Winter-killed

district. All members sign at the beginning of each season to pay up anything they may owe Some time last summer you asked for a repor to the beef-ring, at the annual meeting held one on my experiment with alfalfa. At that time month after the last steer is killed, and failing sent you a short report, being the second summer this to pay $\$ 5.00$ to Red Deer Memorial Hospital and costs of collection.
Balance sheets showing full particulars for spear being left. The snow lay on the field durevery member every week are kept. Last year ing winter and I had half of the plot mulched 538 pounds. The heaviest steer was 679 pounds killed it. The roots are decayed a foot down. and the lightest 456 pounds.
thought I hats are decayed a foot downe trop. Last had discovered the way to secure Many farmers who were confirmed salt pork a crop. Last spring I plowed a portion of the aters cannot now get along without their fresh grew very rank. What I cut from a yard square satisfaction, only. ne member having dropped weighed $2 \frac{3}{3}$ pounds, which was double the weight on out. He had a half share and said where he came on what was second crop. I am sending for from (more is the pity) in Ontario, that half more seed, as I consider alfalfa hay very rich shares were always roasts. As the Northwest food for all kinds of stock. Hogs and poultry cattle unfortunately have legs and necks we were seem to like the green hay very much. Perhaps not able to fix him up, and as there were several some reader will be able to tell me what caused people only too glad to take his place he has last winter's damage. gone and we don't mourn for him.

The principal features that mean success with beef-ring are a good conscientious butcher; for all members to try to realize that a steer has four shanks, and for each member to put in the very best animal possible.
We hope before long to purchase a bunch of sheep and kill one or two each week along with the beef animals, to enable farmers to have one more of their many rights that are good as any in the land.
Alta.

## Julian Sharman

## Care of Root Field

 Editor Farmer's Advocat In regard to field roots I find it much easier to produce them than to take care of them in the and frost uncertain. If the land has been well prepared by applying manure and plowing the previous fall, the main thing is to keep them well cultivated, say once a week, so as not to let the weeds get above the ground, as cultivating and hoeing are more easily done when there are no weeds. The cultivation also promotes growth The plants should be singled out to, say fourteen or fifteen intches apart in the rows, as they willgrow much larger and yield more to the acre Besides they can be harvested more quickly.

## New Concrete Sílo



## Milling Quality of Wheat

Conditions that threaten to lower the milling quality of Western Canadian wheat were dealt with by J. A. Mooney at the convention held at Regina last January as follows

$$
\begin{aligned}
& \text { We hear of the wealth of Cobalt, the yellow } \\
& \text { gold from the Yukon, and we stare at the figures, }
\end{aligned}
$$

gold from the Yukon, and we stare at the figures, but the great mineral centers are making a few wealthy, while the others bemoan the phantom opportunities that have passed them. But let us take stock of the situation here. We note
that our great mine, the rich prairie, gave a return last year of $90,155,000$ bushels of golden wheat, which, at an average price of 84 c , netted
us $\$ 75,780,600$; and in addition it gave us 117 ,as $\$ 75,780,600$; and in addition it gave us $117,-$
746,700 bushels of oats, barley and flax. This wealth has been garnered by 81,300 farmers from about $12 \%$ of the arable land of the south half of million acres of breaking, and also about 1 s of summer-fallow prepared. With this wealth coming from our soil and King Wheat demonunlimito us that the wealth of our plains is as less, we find a rush of immigration coming to take possession, railroads forming a net over it and countless homes springing up, new town Surely we can hardly conceive the mighty part played by wheat in the making of our province
and our nation.
The great value of this wheat lies in its qual ity, which places it in the foremost place in
competition with the world's best. But at present we hear of wheat from other lands bringing higher prices than ours, and we ask
why it is. We must know the truth we in any way been careless of this wealth proWho is interested in the quality of our wheat and who can maintain its standard? First, the
farmer who produces it; second, the dealer third, the miller, fourth, the baker, and fifth, the
consumer. All are interested in its quality, but only the first can maintain that quality. The
consumer is the first to be considered. He de $=\mathrm{yyy}$

- $-1+2+4=$
percentage of flour. Before he mills his wheat he tempers it with either steam of water so as possible to get good results because some vareties owing to their outer covering being either thick or thin will absorb moisture or resist it more than others. in this great process. Our wheat in the past has created a market in foreign countries, partly of its suitability to blend with other softer mill ng varieties which and we purchased softer mill n those markets. In this desire to grow wheat the farmer has been looking for yield and earli ness more than for quality, and today he has varieties to the charge of growing a mixture of weed seeds as well. The result is a mixtur low in milling value that he is not getting tho best returns for his labor. He is also trying oo grow wheat in districts that do not give the highest quality and where it is liable to be frozen, o heat ofay we find a lower percentage of seeds and high quality being marketed. Weed much to lower useless impurities are doing which appear good to the eye and are early have been grown to such an extent that when we come to know their true value we see that we have done considerable harm in lowering our standard. The less desirable varieties might be handled to good advantage if they were he identity of our wheat is it is impossible to keep them from being mixed. It is interesting to note that it is not merely ardness in wheat that gives the best flour or atisfies the trade; it is the blending of qualities gree as in the old standby "Red Fife." Some of the large mills have a chemical laboratory for analyzing wheat so that they may reject This that would lower their standard of flour. This grain is in turn exported to the foreign putation and our prices are made, and our Western Canada can grow Red Fife wheat hat cannot be surpassed by the product of any ther country in the world. Let us therefore row a wheat of whose qualities there is no doubt, and not engage in a useless attempt to surpass countries which grow them better than we can. The time has already come when all the different varieties of wheat should be judged on their real value at our seed fairs. Varieties should quality, and each district should compete on even ground. If our fairs are to be instrumental in educating our people to produce the wheat that is in demand we must make quality our standard, not variety. The great danger exnot knowing the true in our experience with the Ladoga. This wheat was brought over from near a lake of that name in the northern part of Russia. Its fine appearance and its early ripen ining qualities made for it many friends woards of traduced. We have the difterent Montreal booming it as being the most valuable wheat for the West an enough of this variety was grown to get a carload collected and shipped to Toronto, where it was milled and baked by two of the best bakers in the city, whose customers were of one accord in condemning the bread from this flour. As a conse-
quence, today this variety is scarcelyinces.
in a pure state in the Western provinc
With such examples before us it is time for us consider if it is not a poor policy for us to con inue growing any but the best. Let "quality" e our watchword in the future.

Founded 1866
1 be uniformly 1．should be of is uniform，and is uniform，and a thick from gives a smaller mills his wheat of water so as
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II

## D A IRY

## It Pays To Test

Are you sure that each cow in your herd pays
you a profit？If you do not know this，by actual ly weighing each animal＇s product through least one lactation period and keeping carefu
records of her feed，Bulletin No． 322 of the agricultural experiment station at Geneva．
Y．．has a lesson for you．
In the good herd of the station，the result In the good herd of the station，the result of careful breeding and selection for years，grew
differences were found between individual cows． The best cow of the herd，who held her place for poorest cow in each of three seasons；and it cost only one－tenth more to feed the good cow than to feed each poor one．Similar，or worse，condition
exist in many herds．Even the poorest cow in this herd probably paid for her feed；for she rore duced butter fat at from 25 to 33 cents a pound
but the station has records of herdsinthe ctate that average only 80 pounds of butter－fat per cow bringing in a gross return of $\$ 26$ a head．How knows，but the least the herds probably no one cow through a year on，for feed alone，was $\$ 47.50$ If these poor herds gave an average of only $\$ 26$ worth of product in a year，$\$ 20$ less than it cost the station to keep its lightest－cost cow how much did the poor cows of those heras lose their in this bulletin，for it gives very accurate data fo production and food cost of that production，of 19 The station herd eons． frades and has been built up ferseys and Jersey as any farmer could build up his own herd，unt averages more than 6,000 pounds yearly per cow，of $5 \frac{1}{2}$ per cent．milk．

Water in Cow Stable

Editor Farmer＇s Advocate ： 80 milk cows－cement floor，iron partitions，well， vith windmill in the center the cows．Whethe to have individual water basins，or one basin for wo cows ；or，have a trough the whole length ot interfere with the feeding，and will it not be ficult to let the water run off in winter time in the loft，or on a foundation justa a little higher than the troughs ？How large has the reservoir mended ？I should be very thankful if you Could let me know your experience on this sub－ ow bar
Man
The individual drinking basin is Meincie． he most modern and sanitary system of supplying ably more than a simple galvanized iron troug placed in front of the mangers，and at such height that the feed may be conveniently placed reach manger and the cow not be requirca to the trough should be nearly level with the cow＇s muzzle when she is standing in a natural position As connections in the individual or double basin systems are by pipes，you will have to conside Arst whether there is likely to be trouble fror
freezing．If the stable is warm，and you wish to equip it with the best water supply system available，we would advise the basins－single basin for each cow．
Watoring from a system is in use in many up－to－date dairy stables Roughly，the top of the trough should be two feet above the manger．It should be about seven inches wide at the top，four to six inches deep．
and four inches wide at the bottom．It should be made of heavy galvanized iron．Set it to slant to wards one end，allowing just enough fall for the
water to drain out readily－two inches in the
ength of the stable will be sufficient．Have a a plug at one end which may be removed when and goats is only made by laborers and smal cleaning the trough，which should be done daily．farmers，and is consumed locally．The only If water is let into the trough from the supply part of the Netherlands where sheep＇s－milk
tank two or three times per day，the cows will butter is made and exported is the Island of atways have it belore them．There should Texel in years when the lambing season is partic be no difficulty in letting the water run off in ularly good．The same patterns of churns used
for cow＇s－milk butter are employed for making As a rule，the supply tank is located in the
loft above the stable，though in this country it s rrequently placed in the stable on a founda－ water flowing；or，if the tank is not a very large one，it may be attached to the joists by iron a tank large enough to contain a water supply for 3 cows，if located in the loft．The fresh water pumped into it daily would keep the temperature side． to hold oupply to figure on a tank large enough days，if you are depending on a windmill to pump The quantity of water drunk by a cow runs from 60 to 100 pounds per day，depending on the ration．Figuring at 100 pounds safe，you will need a tank that will contain 1．600 gallons to carry a two days＇supply．One tank is preferable to several．

## Netherlands Churns

> Trade and Commerce Weekly Report recently had
he following from Consul W．A．Churchill， Amsterdam ：
The churns employed in butter－making in this district are principally of the Holstein pattern， consisting of a slightly conical vat，suspended be tween iron supports，in which a vertical spindla is made to revolve．Butter－making by individuals
is rapidly disappearing and large steam dairies are gradunly dippearing and large steam dairies dairies an into use consisting which is supplied with one or two sets of rollers to work the butter in the churn．Individual farmers frequently experience difficulty in hot weather，but the steam dairies are usually sup lied with ice，or have a refrigerating plant without which they could not produce a durable
article．The temperature of churning varies onsiderably according to the time of the year and the process adopted to ripen the cream． early morning when the cream，ripened over－ night，is brought to the proper temperature This varies from $50^{\circ}$ to $60^{\circ}$ Fahr．，according to he churns in use and the individual ideas of the dairy director．The use of the large，horizontal American churns，in which quantities up to 2，600 pints of cream can be churned in on opera
 manulacture of butter．With the old Hoistein 350 to 500 pints could be worked in one opera on ；in the cases of farms having large quanti－survey．Five parties will go in and carry on survevin es to deal with，churning would last until the expected that the work will be finished this summe


Good Roads Convention
$\qquad$ foads convents are being made for a provincial good 10. Any person receiving a bonus either from a July 20. A. W. Campbell, deputy minister of railways and canals at Ottawa and formerly deputy minister of public works for Ontario, has promised to be present and deliver an address. While connected with the Ontario department Mr . Campbell
did more than any other man to further the interests is a recognized authority on road as "Good Roads" Campbell. largely attended. Everyone is interested in improved roads.

## Dr. Koch Dead

 the age, died at Baden, Germany, on May 26, at the age of 67 years. Dr. Koch's contributions to
medical science were numerous and valuable. He discovered the antitoxin for diphtheria, a remedy of a mas rendered that disease harmess in the hands stands ministration of the serum. He studied the sleeping diseases to natives in certain sections of that continent, and his research work there and the ex-
posures subjected to are said to have hastened his death. A test by means of which tubercullosiscu. be detected in cattle within a few hours after application. A few years ago he was the object of much
criticism by insisting that bovine tuberculosis is not transmissible to man. The majority of scientists
hold a contrary opinion, although the matter has not yet been definitely settled

## Good Farming Competitions

 It is expected that this year's good farming com-petitions in Manitoba will be even more successfy than those of recent years. Already there are en tries from several agricultural societies. There Will also be a competition in fields of standing grain. three in the latter before the department of agriculture will agree to give support or send judges
Entries for these contests must be forwarded agricultural societies interested on or before June il to the managing director of agricultural societies,
Manitoba Agricultural College, Winnipeg. Before June 20 the names and locations of all competitors
must be submitted. Farms are required to be enmust be submitted. Farms are required to be en-
tered with the society whose chief place of business
is
 points: ${ }^{\text {General }}$ appearance, house and surround
ings, outbuild dings and yards, water supply, windbreaks and hedges, Rules governing the standing grain competitions The competition will be limited to one crop, selected
by the society as the crop of most importance to farmers of that district.
Selection must be made from the following crops
$\qquad$ least ten acres in a block, and must be staked out or otherwise plainly separated previous to the
judges' arrival. Competition will be limited to those individuals
taking part in the "Good Farming" competition. Each competitor shall be allowed to make one
entry only and no one shall be allowed to enter more
ther

Rules for Plowing Matches



 one peron will be allowed to toccompany thi


$\qquad$
$\qquad$ The average price for 34 pure breds offered at the

Events of the Week
An ${ }^{\text {English }}$ aviator has accomplished the unprece dented feat of flying across J. Lockie Wilson, of the Department of Agriculture Tornnto, Ont., has gone on a tour to England in
quest of information and immigrants. Winnipeg voted Thursday on a by-law authorizing a grant of five hundred thousand dollars to the Cen
tennial Exhibition. The by-law carried by tennial Exhibition. The by-law carried by a large
majority. Manitoba University is to have a president. Hon.
G. R. Coldwell and Archbishop Matheson have been G. R. Coldwell and Archbishop Matheson have been
$\qquad$
The greatest sale of school lands ever held in th West has just closed at Medicine Hat, 76,000 acres were sold. The price ranged from $\$ 7$ to $\$ 30$
an acre, the average being $\$ 13.22$. Most of the land an acre, the average being $\$ 13.22$. Most of the land
was purchased by farmers in the districts where it is Theodore Roosevelt was made a freeman of Lon don last week and delivered an address in the famous Guildhall, at which were leaders in many lines of ac
tivity. Mr. Roosevelt apparently did not mind his words any and called a spade a spade in his references to Britain's rule in Egypt. *
$\qquad$ expansion of the Dominion. The receipts for the
month of May were $\$ 5,779,326,51$, as against $\$ 4,296$, 660.10 ; an increase of $\$ 1,482,666.41$. For the two months of the fiscal year to date, the receipts hav English charitable instit against what is termed the undue severity protesting against what is termed the undue severity of Cana
dian immigration regulations. The particular con plaint is against the requirement that every im grant other than those destined for agricultur possession and a ticket through to his destination quirement sy the government, however, that this re themselves, as it prevents them landing in a pand less condition in a new country and gives them an opportunity to seek out the best place for finding
employment instead of settling down at once in one of the congested centers, and becoming a burden on

During April immigrants poured into Canada During April immigrants poured into Canada
the record rate of 1,600 per day. Of the daily in
flux the average number from the United States wa nearly 700 . The total immigration for the month was 48,267, an increase of 24,300 , or 99 per cent. over
April, 1909. Last month April's high record was again beaten, although definite figures will not be available for some time. For the first four months
of 1910 the total immigration was 98,132 as compared with 49,568 for the first quarter of 1909 . The arrivals from the United States during April totalled April of last year. The arrivals via ocean ports, of whom over 75 per cent. were English-speaking
totalled 27,824 , an increase of 16,196 , or 139 per cent. as compared with the corresponding month of last toba Cattle Breeders' Association last week in
Brandon was $\$ 137.50$. This figure is over $\$ 35$ above $\quad$ The act of Union of the British Colonies in Soutt
$* * *$ last year's average. The top, price was $\$ 255.00$. Africa, became effective June 1 , and Viscount Glad-
General quality was much superior to that in evidence eldene, better known as Herbert Gladstone, eldest son at previous sales and the few inferior specimens that of Britain's famous commoner, as governor-general, called on Louis Botha, one of the most persistent Boer leaders in the late war, to assume the premier-
ship and form a cabinet. ship and form a cabinet. The confederation com
prises Transvaal, Orange Free State, Zululand, Natal prises Transvaal, Orange Free State, aululand, Naure miles. There are 5,471490 persons in the Sout
African states. Of these $1,188,570$ are white, and 4,282,920 are colored. They are distributed thus
The Cape, 610,680 white and $1,896,820$ colored The Cape, 610,680 white and $1,896,820$ colored
Natal, including Zululand, 95,440 white and $1,072,000$
, 10200 colored; Transvaal, 325,250 white and $1,024,200$
colored : Orange River Colony, 157,200 white and
$\qquad$
$\qquad$ a commission will be appointed to take up the ques
tion of technical education in the province. The
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Of the daily in
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high record was igures will not be e first four monns 98,132 , as comrter of 1909 . The
uring April totalled 62 per cent. over
via ocean ports, of English-speaking,
96 , or 139 per cent., ling month of last

Colonies in South
and Viscount Gladladstone, eldest son he most persistent ssume the premiere, Zululand, Natal a of 666,629 square
rsons in the South 70 are white, and
distributed thus: 1,896,820 colored :
white and $1,072,000$ white and $1,024,200$
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government in
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## OUR WEEKLY MARKET REVIEW



## Home Iouninal

People and Things the World Over
 ided m. a sort of hood. Quotations made from memory cannot
 specimen pasage e d which he descontes nis sust
to the tomb of Adam:
"The tomb of Adam! How touching it was here en the land of strangers, far away fron
home and friend!
True, he was and ablood rely tion-though a distant one, stilla relation. The unerings instinct of nature thilied its recopnition. The tountain of my mial aftections was
tirired to its profoundest depphs, and I gave way

 and burst ino tars. 1 deem. no shame to tion. Let him who would sneer at my emolion close this volume Noble old man- he uive $t$ to see him. Weiehed down by sorowow and dis tppointment, he died before I was borm housand brie summers becore I was born. sum
 fort in the thought that his loss is our etermal gain.

A little girl in Pennsylvania once wrote the Whitier, enquiring about his childhood on the arm. These are passages from his reply
uires $I$ found about equal satisfaction in an oll urall home, with the shiffing panorama of th easons, in reading the tew books within $m$ tach, and dreaming of something wonderfu ind grand somewhere in the future. Neithe thange or loss had then made me realize the un certainty of all carthly things. Ifell securt of my mother's love, and dreamed of losing nothing and geaining much. I had at that ime a great thirst tor knowledge and little mean to gratify it. The beanty of outward natur carly impresed me, and the moral and spiritua
 other good books alaso aftected me weth a sense
of my falliny short and lonying fora better state.

## Aid for the Stupid

neage anguage

## Aid


lo not look wike that and shif here and theer
lor the other wuils and chat ior the other pupils. A casce came under $m$ y
 vitiny was undecipherabice. it looked hax nothing on earth, but she could read it herself with no more of hesitation than the other chil dren of her age displayed in reading their own hand-writng. By chance 1 found that the whole wrote from right to left
The ordinary blackboard in the ordinarily, badly-lighted school house is responsible for soly of this bad sight and acreravates cases which were established before school was entered Defective hearing explains the lagging hind of more children than you would think possible Adenord growths in throat and nose which lead to much childish deafness and in istinct speech, also interfere with that proper reathing which is essential to perfect physica and mental development. The removal of ade oids is so simple and inexpensive that it is crim inal to make a child a life-long sufferer by neglect-

Lack of proper and sufficient nourishment ne of the very prevalent causes of backward ness in children. In New York there are 6,000 children going to school every day with no breakfast, or worse than none. Fortunately, this cannot be considered a factor in Western anada. But the imperfect nerve control the body s musces accounts for many cases of arrested development. Hands and feet canno e made to do what the mind wants them to do the tongue fails to express the idea that has been eorrectly thought. Manual training has done much for this class. Pitching quoits, simple gymnastics that produce quick results in muscle contro, are an helpfur. An instance given Hamprons, drawn from a public school in New trate, where this wron meningitis had reduced Anna contor pitiful meningitis had reduced An to a pilil state of helplessness. She could not walk titer stand on her feet unassisted. the time hittle control of her arms, and much of the tisly her head rolled and her eys mestessly auled and waited on by the entire family She dulged, and waited on the ramily. She became exceed the bigh crossing of her will provied fits of slightest crossing of her One provoked fits of screaming and fighting. One day a school supervisor heard of Anna, and she straightway called on the mother. She to be allowed to try their effect on Anna's case. After allowed to try their eflect on a consented
"The first thing they did with Anna was to teach her to walk. The teacher drew two long parallel chalk lines on the floor. 'Now, Anna, is this is a brook and you are going to walk in it. Be careful and don't get out of the wate
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HOW SHE STARTED
$\square$
Yes, she's started to clean house,
And the chairs are out
And the couch, she grieves to state
Real leather would be great.
And she wants a rocker new;
Yes, she's started to clean house,
And our bedroom suite's a sight,
And our dining table really
Is a veritable fright.
Yes, she's started to clean house,
$\qquad$
Only one thing that will do,
That she'd not supplant with new;
'Tis her hubby; but at times
FROM AN OLD FRIEND

Dear Dame Durden:-I see Alberta
Gipsy tells you that skim-milk is
for stiffening and renewing dark gar
ments such as black lawn, linen, etc
I have never tried it, but have alway
gists and use it like starch. I forget
cool. I should think a drug clerk
I have a white geranium which ha
ten bunches of blossoms on at one time,
another lot are formed
open. It is lovely on the Cypress Hill
now, but that unless we have rain and


That would be awfully hard on lots farmers' bulletin treating on the sub
of ranchers, would it not?
We are planning to sell out and go to health.
British Columbia. The winters here Farmers' Bulletin No. 377, The
are to severe for my health. Since Harmfulness of Headache Mixtures,
I underwent that awful operation in was issued in September, 1909, and
1907 , I have been a shut-in. We have 70,000 copies have been distributed to
$\qquad$
$\qquad$
$\qquad$
$\qquad$
for the dear old Anvocate. remedies and soft drinks containing
gain.-D. D.) FOLLY NOT LOVE

Dear Chatterers:-
ished housecleaning?

The Ingle Nook
idn't love either of them and would of some of the soft drinks containing
$\qquad$
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$\qquad$ Washington, D. C., to any senator,
representative, or delegate in congress,
or it can be purchased from the superintendent of documents, government
printing office, Washington, D. C., at
five cents per copy. FIRELESS COOKING SIMPLIFIED
$\qquad$
$\qquad$


THE LATEST FASHIONS FROM OUR

$\square$

 At our school the boys have a base-
ball team, and the girls a basket-ball
team. Im in the basket-ball team
I am having to we


 close, wishing the "Western Wigwam" the crops needed it. I am going to
success. The next time I I write I will school now and am in the second reader.
send a drawing, or a story. Alta. $\begin{aligned} & \text { Insorımous. (14) } \\ & \text { live half a mile from the school. We We } \\ & \text { had holiday on Arbor Day We have }\end{aligned}$
(Very glad to hear from you again. a little colt; its name is Diamond. I


A COMPLIMENT FOR THE BOYS' Club? Teli him from me that I think
it woulf in a fine idea to wuild your
stand for you and then write to the
 needed rain
time for





6643 Bo's's Sallor
Blouse Sutt
8 to 12 yeara Dear Cousin Dorothy-- This is my
second letter to your club. I saw my
first letter in print Iong avo but the
paper didn't come so I did not write
paper didn't come so I did not write
again. I read the letters in the boys
Club, too. The boys seemm to be getting very smart now, for they were always
behind time about writing to any other
club the club. I have a nice big dog and I cal in grade 4. I have gone to school for There were nine or ten prairie fires
all around us two days ago, but a big
rain Fannie McDermot.
A CRUEL ACT
Dear Cousin Dorothy: This is my
frist letter to your Che Me get THy
FRRMER's ADvocate weekly and we
enion Farmer's Advocate weekly and we
enjoy reading the letters, so Ithought
I would like to become a member also
 grocery store and hardware, alsoa a druag
store. We go to school regularly but our schol iso to school regularly but
oumber of pupits, to to omall for the are building
num mew of a new and larger one this summer,
We lost our pet dog here the other weok Some person taid poison and a
goon fevere the victims. It
was a very eruel deed to the dog's name was woble to do. Ourd he riyhtly ful and so attached to ue was children and and
are all so sorry and we miss The person who was mean him greatly. dothis cowardly act has much need to
change his nature and principle, and
for the for the future spare the feelings of
children and others by the thoughtless
and and cruel manner they removed their
pets.
Man.
a call to the wigs Dear Cousin Dorothy:-This is my
third leter to the "Western WWigwam.,
I think that the corner is getting more interesting every week. But where are
all the old members? bers write memberests? The new mem-
but short letters;
they seem to thint their first letter it does not need to be
 long. I say all you Indians. we will
have to the pretty ymart or the "Moyc' Club will be eeting aheadd of us! I
have rent every letter and they are eall
good ones. So if we want to keep ahead good ones. So of we want to keep haead
we must write better and longer letters.
Cousis.

proud of the school Dear Cousin Dorothy - For several Dear Cousin Dorothy:-This is iny
years I have been a silent reader of the first letter to your Western Wigwam Western Wigwam. I think it is very and so I would like to see it in print.
nice to have such a wigwam, but I I came from England eight years ago. Would not like to be called a "Wig." I like living in canala. I have a dog
The boys, at any rate my two brothers, called Sport; he is a large black fellow, The boys, at any rate my two brothers, called sport he is a large black fellow,
think it very nice to have a Boys Club, and also have a cat aclled Peter. My
and I think it is but tight that the girls, brother takes the FARMER'S ADVOCATE
 in the Okanagan Valley, ten miles from members. Hoping 1 Ishall get a butter
GEORCE H. Le
the city of Kelowna. I go to the Ellison the city of Kelowna. I go the the Ellison
school. I don't know whether it is KITTEN CATCHES GOPHERS
 we like her very much. My studies years old. I go to school, and I Im in
are reading, writing, arithmetic,
aram. mar, geography, singing, drawing, paint- two brothers. We have about sixteen
 We have many pets and most of Advocate. We have two dogs and
them know some tricks. We have a one kitten. The kitten catches gophers. dog whom we drive in a wagon, not ${ }^{\text {a }}$. We have about thirty-five chickens. Althogh I am twelve years old I play Alta.
with dolls, but I suppose I will stop
Coming to the row with dolls, but I suppose I will stop
$\qquad$ Dear Cousin Dorothy -It is quite a so interesting. but 1 think the toare while since 1 have written I had a Club will beat the girls, if they don't complied with it Last ammer holi- hard a lot of train yesterday and to-da
 lovely down there but miles from a have to be called short; I can't thin
neighor So yourse I could not stand af any more to cal
the city long, being country-bred. MARSDEN.

FORGOT STAMP FIRST TIME
 Papa has taken the ADvocate for along
time and we like very much A lot
of the school pirls have got the butlon from another club but 1 thoutht
would get a prettien one, so t wrote
this paper. The gophers are tery this paper. The gophers are very plenti-
ful around here, but as catching them
is no is not a girl's work, I do not catch any.
I wwull like to correspond with a boy
or girl of my own agre mwel
the peace river country Coar Cousin Dorothy:- 1 will write
Blackfalds once tho more. We went Lo Blackfalds the 2 tht of May wer for the
celebration. It is raining to-day it will make things grow. ${ }^{\text {I }}$ I like to to hunt and trap. A great number of people
went north last winter to Went north last winter to the Peace
River country. The seeding is all done in this cart. The fall wheat is not much
this vear. this year. I will now give some riddles
for the Wigs to guess; 1. It can't go up the chimney up,
but it can go up the chimney down can't go down the chimney up but it can 2. As I was going o'er London bridge I met a cart full of fingers and thumbs. THE SICK NEIGHBOR Dear Wigs:-It has been nearly a,
year since 1 wrote to the "Wigwam" year since wrote to the "Wigwam"
last. That time I Ifrgot to give my address, so Cousin Dorothy couldn't
send my badge that time, but I am en closing a two cent stamp, for which Cousin Dorothy please serd me one of
the buttons to remember the charming the buttons to remember the charming
club by. It think we have a very nice design at the head hers. and a perig of my own. 1
think I will sell them and buy a horse. think I will sell them and buy a horse.
Our old cat has got eight little kittens. Our neighbor is sick, and my two largest sisters and my next to smallest brother
are sat school while $I$ am at home with are at school, while I am at home with
$m y$ two little sisters and my titte frother, tending to them while my par ents are over to the neighbors. There are seven of us children, four girls and
three boys. Our school is three-guarters three boys. Our school is three-quarters
of a mile away. There are twentyseven scholars in our school-pretty good attendance for a country school,
Gladiolus brought it up that the boys didn't support the Western Wigwam
very
She couldn't expect us to very good. She couldn't expect us to
support it as good now, as we have a girls haven't. I am sure we supported the Wigwam just as good at first. Hoping every success falls on the
Indian children and Cousin Dorothy a big farm Dear Cousin Dorothy:-This is my first letter to your club. We live on
the farm four miles from Tenore.
We have twenty-one horses and one. little
colt, thisteen cattle and twe little calves, sixty hens and nine pigs. little go to school every day, and our
teacher's name is Miss McN
I like my studies are arithmetic, reading my stadies are arithmetic, reading,
spelling, geography, composition and
writing writing. We live three miles from We have a nice-sized house and barn. 290 acres of ofthent of land with about 90 acres of ats. We are going to plant 40 acres Man. Myrtle Dryden (10).
What do you like to do? Dear Cousin Dorothy:-This is my
first letter to the Western Wigwam. waided Io write before, but my mother not using the pony. drive when papa not broke pony of our own., but he is Mac. Wroke in single yet. We call him
Whlo years old. To night I walked for the like watering the chicks or carrying in
wood to the house. We have three gese and twenty four horse three
fifteen cows.


Founded 1886 will atiltience of a ofnce

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Rosetewn.

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Moose Jaw.
A. Lug.
Weluyn.
nT., Mososomin





We note a further step forward in the

## agricultural motors, and also a deter- TRAINING HORNS

 areas as well as those who cultivate a me. How should I treat them to cauke
section or more. Saunderson's agricul- them to grow downward and inward section or more. Saunderson sagricul- Have been told to scrape on the opposite
tural motors, so well known in England, side to which they are wanted to grow. being the holders of the Royal Agricultural Society's special medal f
these machines, are being introduce into this country by a company who
are about to erect works and a dep in Saskatoon-
These motors are already largely sale in Australia, Africa and the Argen-
tine Republic, and have found their way into every agricultural country in
the world. They are celebrated for their great output of power, combine with smal weights, and handiness, FIGHTING WILD OATS slow or thresh, but to be equally useful ${ }_{C}$ ing is badly infested with wild oats for reaping, mowing, seeding, disking, Can you give me any helpful sugtes
or hauling, their light weight not pack- it? regarding the best way of treating ing the land as do heavier engines.
These machines should idle, as they can take the place of the horse at all times for anything that is
wanted on or off the farm. The new
Wittle TInivercal" will be min "Little Universa!" will be a mine
resource to the small farmer. It cover
the ground at a good speed, and one ground a at a good speed, and
offered at a price easily within reach
of the average farmer. See the ed-
vertisment on another page and write
 a horse to go lame, such as a slight
wrench are things to be expected. They are
liable to happen to any horse at any cime. The lameness may marse at any in
convenience, but it is not totherwise serious. Ali that in necessary in many
cases is to be ready to treat promptly with some e efficient to treaty. promptly
connection it in this that for over a score of years one could
hardly speak or think without calling to to mind Kendall'
Spavin Cure horse remedy has ever been so generally
Ised or lsed or had so great a reputation. Al
most everybody who owns a horse has heard of it. Its popularity has no
been confined to one locality ince. It is national, even world wrove
It is found on the shelven will horse owners in many countries.
It is worth while to remember Kendall's Spavin chile to remember has been in use larity is greater now than eve ter pofore
If it had not stood the test it would old been out of mind long ago. ${ }^{\text {This }}$ at drug stores and general stores every
(here. The excllent horse book, en
titled His Diseases," treatise on the be harse and
Hre the Dr
Falls.

PIG MANURE VS. HORSE MANURE
Will yuu please say whether pig ferth Ans.- Hog manure is much richer than horse mwure, and is suitable for any sirable

A clever advertisement may induce you to purchase very poor tea. If you buy

you run no risk, as your grocer will refund your money if you are not entirely satisfied with it.


## Hardy Fruits

TREES, SHRUBS AND PLANT
For Manitoba, Saskatchewan
Quick growing Hardy Trees for Windbreaks and Shelter-Belts. Russian Ap ples, Crabs, Native Plums, Small Fruits

Varieties tested and recommended tations.
Agents Wanted where we are no eral terms and Free Experiment.
Send for circular of Western Special d Testimonials
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The Fonthill Nurseries
$\qquad$


Great West Wire Fence Co., Winnipeg algary Agents: Ellis \& Grogan Edmonton Agents: Race \& Hunt

FARMER'S The Eest.Advertising Medium ADVOCATE The Only Agricultural Medium Printed in 2 Colors in the West

THE MOWER THAT BEARS

## POWERFUL RASILG LEVER

 INSPECTION AT EVERY POINT IS THE MASSEY-HARRIS point is the MASSEY-HARRISFamous for Sure-Cutting, Light Draft and Long Life.
Massey-Harris CO., Limited, $\begin{gathered}\text { Toronto, Montreal, Mancton, } \\ \text { Calgary, }\end{gathered}$

| Cutter Bar has <br> perfect freedom <br> of movement, <br> alloming it to <br> conform to <br> uneven <br> surfaces and <br> cut smooth and <br> clean. |
| :--- |



CONYENIENT
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OFFICES AND DEPOT, SASKATOON SASK,
SOLE LICENSEES FOR SAUNDERSON PATENT AGRICULTURAL MCTORE
GUARANTEED OF BEST BRITISH MANUFACTURE
AWARDED 15 GOLD AND SILVER MEDALS


No. 1, designed for large farms; will plow 15 to 20 acres per day;
pull three binders, mowers or seeders; haul 12 tons on the road. Four-cclinder engine, fitted with three speeds $2 \frac{1}{2}$, $3 \frac{1}{2}$ and 7 miles per hour- cabwar for grubbing and road-sartang magneto ignition; fitted
with steel
for one day's work. for one day's work. Extension wheels for soft ground. Made in two
sizes, $22 \mathrm{~h} .-\mathrm{p}$., and No. $2,14 \mathrm{~h}-\mathrm{p}$


No. $4,2 \frac{1}{2} \mathrm{~h} .-\mathrm{p} .-$ Handiest and cheapest machine on the maket.
Designed for small farms. Will plow two acres per day. Ony one man required, who operates his plow from driving seat. Will pull a
mower, harrow or disc, etc. Will haul $1 \frac{1}{2}$ to 2 tons on the road. Carries a saw bench, grinder or pump, etc., which it operates where required
One air-cooled cylinder, fitted with three speeds, $2 \frac{1}{2}, 3 \frac{1}{2}$ and 7 miles per hour; forward and reverse. No., $6 \mathrm{~h} .-\mathrm{p} .-\mathrm{A}$ larger size of the above, fitted with 2 water-cooled
cylinders and three speeds. Has three plows, operated from driver's seat, as in No. 4, and will pull one eight-foot, binder and drive a small
thresher. Carries fuel and water for a day's work, and drives small thresher. Carries fuel and water for a day's work, and drives small
machines, same as No. 4. All our machines are fitted with self-starting magnetoes, and re-
quire no batteries, repairs and spares at depot quire no batteries, repairs and spares at depot.
$\quad$ For prices, catalogue and particulars, apply to

CANADIAN AGRICULTURAL MOTORS, LTD., SASKATOON, SASK.
Questions \& Answers


## SASK.

CLAWS OF OX owth between the
1 feet. It is hard, utside and is very how any signs of ng larger. I have on it several times,
with hot water the soreness away, :ed a while he be-
again. Otherwise condition. Is thi
R. P. . we can giv
dvice wer veterinary surgeon in all $p$ p
urgically.

June 8, 1910
COW HAS COUGH Cow three years old, giving milk got her, three weeks after calving, She has mash and is in good condition and milking well. Would the mill from this cow be liable to be harmful
to young children?-F. H.

Ans.-You should have the tuberculine test applied to this cow. The cough may be due to tuberculosis. We she proves to be free from tuberculosis Frequently cows cough while in the stable, but in many cases the cough or musty feed, and the vitiated dir the stable. In the latter case when th cow is turned
soon leaves her

## STALLION HAS DISTEMPER

Have a three-year-old stallion with jaw, and is running from the nose
He eats and drinks well, but still keep He eats and drinks well, but still keeps
thin. He does not seem to be getting any better or worse. What
would you advise?-M.
Ans.-Syringe out the cavities several of hysol, and keep the surrounding parts clean with the same solution. nternally give mixed with slightly
damp feed, three times a day a level damp feed, three times a day a level
teaspoonful of each of the following: Calcium sulphide, powdered sulphate of iron and powdered cinchona. Turn im grain twice a day.

## GOSSIP

AGRICULTURE BY CORRESPONDENCE
The State College of Agriculture of
South Dakota, is entering a new field f educational activity having jus ssued advance announcement of course of home study in agriculture which is to start at once and through which the college expects to reach the housands who have not the oppor unity of attending a regular classroom curse. The subjects offered relate hiefly to agriculture, home economic and nature study. A text-book will be selected or lessons will be prepared
for each course of study. Reference books and bulletins will be recommend d. Lists of questions on each chapter or division of a subject will be forwarded to the student to answer. The answer carefully written, will be forwarde by the home student to the Director after careful criticism and correction, will be returned to the student. The student will also have the privilege of asking questions relative to the subjects in the courses of study and these inquiries will receive the special attention of the instructors in charge of the The cost of the courses, includin text-books, runs from one dollar up publisher's price for the text-book, plus a small sum to cover cost of stationer and postage

AN EMPIRE IN THE NORTH
$\qquad$ vincial capital miles north of the pro vincial capital-almost as far north
Toronto as Chicago is West-and
outh South a hundred and forty miles to th
lower aplex of a twonty-million-acre $V$
shapec, area of good level agricultura land (broken occasionally by out
croppixgs of rock, but comprehending
many ast areas without a stone
farmer's advocate and home jourval-


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## Some Interesting Facts

 About OverlandsOur 800 dealers now are selling over $\$ 200,000$ worth of Overlands daily. That's a far larger sale than was ever attained by any other car in the world.

Some of the Users
The Government is one of the Overland users For a year and a half some of these cars have been ssed in carrying the mails. For 500 days the) have made their regular trips, winter and summer without a moment's delay. Each of these cars has done the work of three horse-drawn vehicles
The J. I. Case Threshing Machine Company some time ago supplied 25 Overland cars to their country salesmen. They report that one man with ne of these cars can do two salesmen's work
The Altman \& Taylor Machine Co. have also begun oo supply Overlands to their salesmen.
We have recently built delivery car bodies on 00 Overlands for the use of storekeepers who want hem for use as light delivery cars.

## All Due to Simplicity

All these new uses for Overlands are due to their Atter simplicity. A novice can run one as well as
The operation of the car is by pedal control. One goes forward or backward, fast or slow, by simply pushing pr
Overlands are almost trouble-proof. The usual complexities have been avoided. One of these cars as been run 7,000 mules, night and day, without topping the engine

ower Overland costs from $\$ 1,000$ to $\$ 1,100$, according to style of body. The wheel base is 102 ins. The 40-horsepower Overland
is relied on to carry the mails is the car which wil always keep going

## $\$ 3,000,000$ Plants

Over $\$ 3,000,000$ has been invested to produce Overland cars in a perfect and economical way. The cars are made-as watches are made-by modern automatic machinery. Thus we get exactness to the one-thousandth part of an inch. And thus every part is made exactly ike every other similar part. All parts are interchangeable
Because of this machinery and our enormous production we are able to make cars for less than anyone else.
This year we are selling a 25 -horsepower car with 102 -inch wheel base, for $\$ 1,000$. We are selling a 40 horsepower Overland, with 112 -inch wheel base for $\$ 1,250$. And these prices include all lamps and magneto.
During the past year alone we have cut the cost of Overlands 20 per cent. by multiplied production and this labor-saving machinery

## 10,000 Tests

The various parts\$of each Overlandicar are subjected to 10,000 rigid inspections. Then every car, before it goes out, is given a long trial run on rough roads. One of our
test roads includes the? worst hill in Ohio. Thus know that Thus we know that each Overland is a perfect car be come to outsell all other carsons why Overlands have now

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The Willys-Overland H94 Toledo, Ohio icensed Under Selden Patent
Please send me the catalog free


Founded 1866 imer frosts ary
esome for a new still less so. At Experimental e miles from the th, had struggled ing a fair showdens were grown
he camps along er pulled up, and blades over a ESDALES
gary, Alta., pur-
fine Clydesdales The importation nd two stallions. got by Hiawatha of the Killellan to $\operatorname{sir}$ Everard olds, three-yearA four-year-
Marcellus Blend ed from a famous atrave. Among a second is by third is by Gay a mare by
There are two got respectively (12102), and by
from a mare by
nd LIVEstock
$f$ the Ontario Deture summarizes the earliest for the plowing had e snow went away wo weeks of April paratively warm, ant of sowing was istricts everything
mpleted but the n and roots. The grains, generally nd most promising dents wrote. The
jwever, turned out usly wet, the rain-
uble that of the perature remained roden with this is about a month on, and a week or and presenting a Fruit blossomed
arlier than usual. fruit prospects some with the been more plant including apples other frums past. estock are at a high the provinces. has been good, in which slighty strangles. Cattle in flesh owing to ing. Milk cows than usual, but in kept. Fat cattle rmer years; even anficult to procure a consequencen ming strong and

June 8, 1910


## CLYDESDALES

AND HACKNEYS

I have just arrived from Scotland with one of the most select shipments of

## CLYDESDALES AND HACKNEVS

that has ever been imported into the West. Among the lot is the great Hackney Stallion

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As I purchased this shipment myself in Scotland direct from the breeders, and have no commission men to pay on this side, I can sell cheaper than any man in the trade. Breeders will do well to look over these horses before buying elsewhere.
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Head Office: 279 Garry St., WINNIPEG HE Commissioners wish to announce to the farmers of
Manitoba that they have secured permanent offices for the transaction of their business, and all communications should be sent to the Commissioners at the above address. Petition forms and all information needed by farmers in order to secure
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JUNE 5, 1910

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Any Headache
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Payble overwher
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30.00 to $\$ 50.00$
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His Friend Said "If They Don't Help or
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Mr. J. B. Rusk,
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Write or come and see them. We are importing a large number of Clydesdale, Percheron and Belgian mares in July and endeaver to get moung mares of qualit If this interests you, write now, and tell us what you want. VANSTONE \& ROGERS Head Office and stables, WAWANESA, Menitoba

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effort and lengthens the life of your separator. ne gallon All deaters. Or write

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se that birds in confined runs get a egg is at its best for eating at about the
 boiled, bacon rind, gristle, and any meat put his eggs on in better condition than
waste from the house, hones cut whilst we do. With due care as to the quality aresh, butchers scraps, and boiled of the contents and the cleanliness of for the latter almost any ronts turnips keting, we have nothing to fear, and for the latter a most any roots, turnips,
mangels, cooked carrots, parsnips, po- the English egg will maintain and be
tato parings, green cabbage of any worth a higher price than anything Kind, clover, grass, vetches, green-pea,
dandelion, cress, lettuce, in fact, almost
anything we


ONION SEED IN ONTARIO Vegetable growers in Ontario have
ambitions to grow their own seed. The Vegetable Growers' Associtaion last year conducted experiments to
demonstrate that this seed could be produced in the province. A. McMeans, investigated the onion industry in Ontario and also in some of the States
of the American Union. He gives the following in the report of the Ontario Agricutcural and Experimental Union
This work was


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## I CAN MAKE A MAN OF YOU



Dissolve ${ }^{1-1 \mathrm{bb}}$ good finely chipped castile soap in 1 gallon of hot soft water chur together until an emulsion is formed together until an emuls emulsion to 12 parts of water and spray the affected
trees, and others in the vicinity might be sprayed as a preventive. H. Lee.
M. A. C. INSTRUCTION IN BEEKEEPING--VIII To keep bees from swarming, and get pretty carefully. They should get some sort of examination every week. I possible, a special day should be set
apart for the apiary. $\mathrm{If}_{k}$ Wednesday is "Apiary Day," nothing but the most
serious reasons should interfere with its observance. System goes a long way towards success in anything. Careful study has shown the following to be the most important causes oo
swarming: there is still plenty of nectar in the flowers, but the bees have no comb
space in which to store it. space in which to store it.
(b) The colony has a queen with great egg-laying powers, but the brood
chamber is too small for her, or has be come crowded with honey and pollen. She has an egg or larva in every cell,
and the young bees are not hatching rapidly enough to give her room to lay, The constant inflow of honey from the fields stimulates her to lay, yet she must be idle, or seek a new home with a wide
(c) The secretion of nectar in the
flowers is continuous, but slow. The queen is constantly stimulated by the incoming sweet to lay, while the demands of the harvest are so light that the workers live much longer than is
usual in a heavy harvest. The hive becomes over-populated and crowded (d) The hive is poorly ventilated, or
sits in the hot sun.
(e) Bees often swarm when they ar superseding an old queen.
The preparations for swarming are (a) Drone brood started. ent places.
(c) Eggs in some of the cell-cups (c) Eggs in some of the cell-cups.
(d) Larvæ in some of the cell-cups.

The swarm comes almost immediate-
ly after that.
Queen-cells do not cause swarming;
they are a part of the swarming operathey are a part of the swarming opera-
tion. Simply cutting them out after $\left\lvert\, \begin{aligned} & \text { they are built does not remove the cause, } \\ & \text { and seldom does more than delay the }\end{aligned}\right.$ swarm, it makes the bees discontented and seriously checks honey-gathering.
The successful prevention of swarming, then, is not cutting out queen-cells,
as many suppose. It is a careful study to see whether any cause for swarming is present. The "preparations" above
named are the barometer of the nervous condition of the hive in this respect.
When cell-cups appear in any it is time to give the queen more room.
You may think she has plenty, but she needs more. Remove a comb from the
outside of the brood chamber, and put outside of the brood chamber, and put
a frame of wired foundation in the mid dle of the brood nest. If the colony is quite strong, it may be given two such frames. If any cell-cups have eggs,
destroy all such, and give three frame of foundation. To miss destroying even brood must be examined carefully. In every case, alternate frames of founda-
tion with boord. In removing combs from the brood-
chamber, follow this order: First, empty combs and combs of honey till they are
all out, then sealed brood. If the emp ties are clean, and the honey white, $\left\lvert\, \begin{aligned} & \text { place them in the extracting supers of } \\ & \text { the same hive (if they will fit); also the }\end{aligned}\right.$ brood, unless it is needed for making The essentials for swarm-control ar in time; good ventilation and shade An ounce of prevention is worth a ton
of cure. As the strength of the colony in
creases, enlarge the entrance gradually
until, about Creases, enlarge the entrance gradually
until, about June 1 st, when all excep
weal

## To Really Cure Sick Kidneys

ou must also get the liver and bowels right with DR. Ac-W. OHASE's
KIDNEY and EIVER PILLs

Strange, isn't it, that the intimate
elation of the liver and kidneys should aver or song on lod hould And yet Dr. A. W. Chase's Kidney ess to the recognition of this most They point. They ensure regular, heathnul action nce raise a burden from the lid at nd restore them to strength and kidneys There is no way you can so quiekly ree yourself of backaches as by using
Dr. A. W. Chase's Kidney and Liver free
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Headaches disappear, biliousness and onstipation is overcome, digestion imWhat's the use of experimenting with ew-fangled medicines of uncertain and ntried value, when you can be sure of hase's Kidney and Liver Pills ? One pill a dose. 25 cents a box, all dealers, Write for free Bates \& Co., Toronto. Recipes.
super, and before it is half-filled with honey, another placed between it and the of upward ventilationt some syshurt for weaker colonies to have more perience with one's bees and locality will give an idea of what average yield uper room to that capacity on each hive almost at the start. Then watch all crowded This method is for use when running ations it could be applied to comb honey production. But the latter is more difficult, and should be left until this is mastered

Morley Pettit

## What Neglect

DID FOR HIII
Jas. E. Brant Suffered Torments From Kidney Diseases.
hen He used Dodd's Kidney Pills and Became a Well Man-
perience a Lesson for You.
Athabasca Landing, Alta., June 6ed in its earlier stages, leads to the most terrible suffering, if not death
itself, and that the one sure cure for it in all stages is Dodd's Kidney Pills, is the farmence of Mr. James E. Brant, Mr. Brant contracted Kidney Disease, when a young man, from a strain, and,
like hosts of others, neglected it, expecting it to go away itself.
But it kept gradually growing worse, till after thirty years of increasing sufferhig the climax came, and he found could not turn in bed, and for two weeks at a time it was impossible for him to rise from a chair without putting his hands on his knees.
He could not button his clothes. He was troubled with Lumbago, Gravel and Backache, and tried medicines for each and all of them without getting Dodd's Kidney Pills. Dadd's Kidney Pills started at the
cause of his troubles and cured his Kidneys. With cured Kidneys his other troubles speedily disappeared, and to-day he is a well man.
If you cure your Kidneys with Dodd's If you cure your Kidneys with nodum-
Kidney Pills you will never have Lum-
bago, Rheumatism, Heart Disease,
Rrons. Disease.

Founded 186
Cure Ineys
or and bowels ใPILLS
the intimat idneys should
oked? hase's Kidney wonderful sucof this most althful action ind thereby at $n$ the kidneys gth and vigor san so quiekly ney and Liver
oiliousness and , digestion imrimenting wait uncertain and can be sure of of Dr, A. W. er Pills P One Co., Toronto,
Dr. Chase's
half-filled wit tween it and lopt some sys-
on. It will not to have more and localit $t$ average yield it is well to get pacity on each es do not get
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it the latter is th be left until rley Pettit. iT FOR HIII
red Torment Diseases

Kidney Pills and or You
Alta., June 6Disease, neglect es, leads to the g, if not death sure cure forls, is the mes E. Brant, I Kidney Disease om a strain, and neglect. y growing worse and he found hat at times he ed, and or impossible for without putting his clothes. He umbago, Grave without getting ls started at the s and cured his ed Kidneys his 11 man. dneys with Dodd
never have LumHeart
Disease.

June 8, 191

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& \text { made and you will the self sharpening; the 2nd pair is for embroidery and the 3rd is for } \\
& \text { size and semplet } \\
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