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CANADA'S **AGRICULTURAL**

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Vol. XLVI

WINNIPEG, CANADA, JUNE 1, 1910

No. 923



OUT OF 259,000 CANADA, 250,000

NON'T you think that fact almost speaks for itself? There hardly seems to be much left to say. No better evidence could be demanded—or given—of the absolute perfection of every instrument turned out by us. For a long time past we have had our best engineers at work on the problem of designing a more powerful Farmers'

Line Telephone. And now we have it. The work was completed months ago, although it is only now that we are offering it to you. The interval has been devoted to "trying out" these new sets under the most exacting conditions it would be necessary to meet anytime—anywhere.



LL you have to do is to ask for ALL you have to do ...
Bulletin No. 1416 and we will mail you FREE, at once, the full story of farm telephones. Asking for the book places you under no obligation-don't hesitate to tell us you want it. We are anxious that you should be posted on the value and economy of farm telephones. A post card will bring it.

Watch for the other advertisements of this series. They have a story to tell you.

represents the attainment of perfection in telephone construction. Go over it point by point—prove it for yourself by comparison with any other instrument you like. talk—you will find it the standard longdistance type.

Then there is the receiver—the earpiece: it is simply perfect—never will you be bothered by local noises to spoil transmission. The result of long and careful study, it is the best possible construction and combination for the purpose. The generator has also been well worked out—so well, in fact that this generator is stronger than any other telephone generator on the market. Observe how easily it turns. It will ring more telephones on a longer line than any other 5-bar generator made today. Thousands of these generators are now operating on lines more than 30 miles long with as many as 40 telephones on the same line.

The ringers and gongs are unusually efficient. Our new type 38 ringer is not only very sensitive, but very strong and operates on from only one-third to onefourth the current ordinarily required. The extra large brass gongs produce a volume of noise fully half as great again as gongs on other sets. You'll never fail

as gongs on other sets. You'll never fall to hear this telephone when it rings. The switch hook makes all contacts on the best grade of platinum points—that makes for efficiency.

Taken as a whole Set No. 1317 is an extremely handsome instrument. The woodwork is of quarter-sawed oak of finest quality and handsome finish. And in point of service this telephone is unin point of service this telephone is unsurpassed—more than \$10,000 was put into it in engineering expense alone before the first instrument was made, Would you like to know more about it? The space here won't permit us to tell you, but if you will write, we'll gladly give you any information you may desire.

Manufacturers and suppliers of all apparatus and equipment used in the construction, operation and maintenance of Telephone and Power Plants.

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GOSSIP

BOVINE TUBERCULOSIS

in man, with still no satisfactory con- ment. without more definite data, to say or vet been satisfactorily determined. are so insidious that the disease may are noticed. These attacks will genere to yield to treatment, are formed. In to be tested should be treated as usual to yield to treatment, are formed. exist, and in very, very many cases does exist, without causing the slightest symptoms that would lead any personal treatment, only to read any personal treatment and the meantine, the portions of the sofar as ordinary care and feeding etc. the meantine, the portions of the sofar as ordinary care and feeding etc. appear, with like or more violent symptoms that would lead any personal treatment, until eventually a fetal quantity of milk, of appearently normal should be taken occasionally before the symptoms that would lead any person to suspect it. As any organ is liable to be the seat of the disease, and as the disease is usually slow in developing, and no clinical symptoms that would lead any person to suspect it. As any organ is liable to be the seat of the disease, and as the disease is usually slow in developing, and no clinical symptoms that would lead any person to suspect it. As any organ is liable to be the seat of the disease, and as the disease is usually slow in developing, and no clinical symptoms that would lead any person to suspect it. As any organ is liable to be the seat of the disease, and as the disease, and as the disease is usually slow in developing, and no clinical symptoms that would lead any person to suspect it. As any organ is treatment, until eventually a fatal quality, and the general health of the tuberculin is injected, at least tree times, say at 2 p. m. 5 p. m. and 8 p. m. Then the seat of injection disease of the udder does not cause the followed by the same remarks apply, viz. The above symptoms or any symptoms that would be taken occasionally before the tuberculin is injected, at least tree tuberculin is injected, at least tree tuberculin is injected. So p. m. 5 p. m. will be shown until the organ or organs but the same remarks apply, viz. "no above symptoms, or any symptoms, to shoulderblade, but in makes flux involved are diseased to such an ex-suspicious symptoms will be noticed indicate that such disease exists. It difference where, except for convenience of the convenience o diseased without showing any symptoms to cause suspicion. The most diseased as others, are liable to an attempt of the disease in cattle is pulmonary tuberculosis, and this doubt the cause of sterility in many index. It is also also as the regular of the disease in cattle is pulmonary tuberculosis. The unitary or the gential or same time yield non-infected milk, but with a hypodermic syringe, which has diseased milk, but with a hypodermic syringe, which has diseased milk, but with a hypodermic syringe, which has diseased milk, but with a hypodermic syringe, which has diseased milk, but with a hypodermic syringe, which has diseased milk, but with a hypodermic syringe, which has diseased milk of the disease generally solution, the dilute tuberculin is are present in the milk of a diseased jected. For an ordinary sized cow, 60 is pulmonary tuberculosis. that an animal may be extensively tions." form more quickly causes suspicious females and doubtless, sometimes, also bacilli have been discovered in the milk lated accordingly, if the animal be symptoms than when other organs are in males. symptoms than when other organs are in males. attacked. When the glands of the throat or the lung substance are the seat of the disease, a dry, hacking cough is frequently heard, but in other This organ is, fortunately, not so frequently heard, and the disease are the seat of the disease, a dry, hacking the seat of the same time, the danger exists.

In addition to the organs name other organs, as even the brain of the disease. respects the animal appears to be perfectly healtay. This stage of the disease may exist for months or years, but the same time, it is not by any means exemply exist for months or years, but the same time, it is not by any means exemply exist for months or years, but the same time, it is not by any means exemply exist for months or years, but the same time, it is not by any means exemply exist for months or years, but the same time, it is not by any means exemply exist for months or years, but the same time, it is not by any means exemply exist for months or years, but the same time, it is not by any means exemply exist for months or years, but the same time, it is not by any means exemply exist for months or years, but the same time, it is not by any means exemply exist for months or years, but the same time, it is not by any means exemply exist for months or years, but the same time, it is not by any means exemply exist for months or years, but the same time, it is not by any means exemply exist for months or years, but the same time, it is not by any means exemply exist for months or years, but the same time, it is not by any means exemply exist for months or years, but the same time, it is not by any means exemply exist for months or years, but the same time, it is not by any means exemply exist for months or years, but the same time, it is not by any means exemply exist for months or years, but the same time, it is not by any means exemply exist for months or years, but the same time, it is not by any means exemply exist for months or years, but the same time, it is not by any means exemply exist for months or years, but the same time, it is not by any means exemply exist for months or years, but the same time, it is not by any means exemply exist for months or years, but the same time, it is not by any means exemply exist for months or years.

So much has been said and written the an animal that coughs frequently, or, I ly after one, the udder does not regain been published, but it may not be unlast fifteen years or more about bovine might say, occasionally, without show quite its normal condition, but a por- wise to report. Tuberculin is a product tuberculosis, and its relation to disease ing any symptoms of physical derangetion becomes indurated (enlarged and of the bacilli of the disease, in which clusions reached, that it is not possible, eased, but no suspicious symptoms cause a noticeable alteration in either At the same time, when this product write anything not already discussed, tensively diseased that its functions but as the induration increases, the which tubercular bacilli exists, it At the same time, the subject is of such are materially interfered with when quarter (or quarters) involved becomes causes constitutional disturbance, which vital importance that we may be excused for touching it again. That the digestive derangement will be noticed. More or less inactive, and the supply produces a marked increase of temperature to find the digestive derangement will be noticed. The pure turns of milk becomes lessened, and in some time called a "reaction". The pure turns of the product of the product of the pure turns of the disease is very common in both cattle generally irregular. Periods of semi cases entirely suspended; while, in other berculin is diluted with about 9 parts of and man, is an established fact, but the or acute diarrhea are alternated with relation one bears to the other has not periods of semi-constipation; repeated stead of milk, is drawn from the teat or distilled water before it is ready for use. attacks (without apparent cause) of teats, and in some cases abscess after This, of course, makes a 10 per cent The symptoms of bovine tuberculosis bloating, or impaction of the rumen, abscess, which abscesses often refuse solution of tuberculin. The cattle tent as to interfere materially with their until the organ is sufficiently diseased is also supposed to be possible for a cow ience) is disinfected with, say functions, it can readily be understood to materially interfere with its func- to have a diseased udder, and at the per-cent, solution of creolin, and then that an animal may be extensively tions." The urinary or the conital or cannot time visible visible visible has is pulmonary tuberculosis, and this doubt the cause of sterility in many udder. It is also claimed that the drops is the dose, the dose to be regular to the course suspicious females and doubtless sometimes also begin to the course of the course suspicious females and doubtless sometimes also begin to the course of the cou

may become more rapid; the frequency its presence. Repeated attacks of in- in the muscles or in the areolar tissue and hacking character of the cough be-flammation of one or more quarters of under the skin. come more marked, the animal becomes the udder, attacks which usually yield often noticed on the legs of cattle, and unthrifty, and gradually pines away, more or less readily to treatment, only cause practically no inconvenience. The until death occurs. It must not be to reappear in a variable time, without only method of diagnosing the disease assumed that every animal that coughs appreciable cause, must always be in cases where clinical symptoms are occasionally is tubercular, but we are looked upon as very suspicious. Usually, not well marked is by the tubercular partial that coughs for a few attacks, and not infrequent test, details for which have frequently and appreciable cause, must always be in cases where clinical symptoms are not well marked is by the tubercular test, details for which have frequently and appreciable cause, must always be in cases where clinical symptoms are not well marked in the coughs for a superciable cause, must always be in cases where clinical symptoms are not well marked in the coughs for a superciable cause, must always be in cases where clinical symptoms are not well marked in the coughs are not well as a superciable cause, and not infrequent. The liver is frequently dis-hardened). This at first does not the life of all bacilli has been destroyed will be noticed until the organ is so ex- the amount or quality of the milk, gains the circulation of an animal in "no above symptoms, or any symptoms, to shoulderblade, but in makes little The urinary or the genital or same time yield non-infected milk, but with a hypodermic syringe, which has hill producted by the control of th

ease may exist for months or years, but at any time the progress of the disease are shown to lead a person to suspect culosis, in which the nodules are located (Continued on page 823)

of a tubercular cow whose udder is young, or small, or above the usual healthy, but this seldom occurs. At size. At the same time, experienced the same time, the danger assists. teaches us that the amount of tuberculin In addition to the organs named, and injected has little effect upon the reother organs, as even the brain and sult. A large dose will probably cause spinal cord in which

Founded 1866

the areolar tissue

hese nodules are

legs of cattle, and nconvenience. The

gnosing the disease

ical symptoms are by the tuberculin

ch have frequently it may not be un-

e disease, in which has been destroyed. when this product bacilli exists. it I disturbance, which increase of tempera-

rith about 9 parts of olic acid solution in

akes a 10 per cent.

are and feeding, etc.

Their temperatures

casionally before the

cted. at least tree. m. 5 p. m. and the seat of injection skin just behind the

t in makes little

of creolin, and then, c syringe, which has

sinfected with a like

ite tuberculin is inrdinary sized cow, 60

the dose to be regu-

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or above the usual

me time, experienced

amount of tuberculin

effect upon the re-

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surely cause the re-

eased animal. After

d on page 823)

The cattle



Buy Hosiery Made by the Largest Mills on a 2-for-1 Guarantee

We guarantee the following lines of Pen-Angle Hosiery to fit you perfectly, not to shrink or stretch and the dyes to be absolutely fast. We guarantee them to wear longer than any other cashmere or cotton hosiery sold at the same prices. If, after wearing Pen-Angle Guaranteed Hosiery any length of time, you should ever find a pair that fails to fulfill this guarantee in any particular, return the same to us and we will replace them with TWO new pairs free of charge.

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Buying hosiery on this plan you make doubly sure of satisfaction, for if the hosiery does not fulfill the guarantee the makers have to pay a double penalty.

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These machines form-knit the hosiery to fit the form of the leg, ankle and foot perfectly, without a single seam anywhere to irritate the feet or rip apart.

They reinforce the feet, heels and toes--the places that get the hardest usage-without you ever being aware of any extra thick-

Don't be content another day with hosiery which has those horrid seams up the leg and across the foot-with hosiery

less serviceable-but get Pen-Angle 2 for 1 guaranteed hosiery

For Ladies

No. 1760.—"Lady Fair" Black Cashmere hose. Medium weight. Made of fine, soft cashmere yarns. 2-ply leg. 5-ply foot, heel, toe and high splice, giving them strength where strength is needed. Box of 3 pairs, \$1.50; 6 pairs, \$3.00.

No. 1020.—Same quality as 1760, but heavier weight. Black only. Box of 3 pairs, \$1.50; 6 pairs, \$3.00.

Box of 3 pairs, \$1.50; 6 pairs, \$3.00.

No. 1150.—Very fine Cashmere hose. Medium weight. 2-ply leg.

4-ply foot, heel and toe. Black, light and dark tan, leather, champagne, myrtle, pearl gray, oxblood, helio, cardinal. Box of 3 pairs.

\$1.50; 6 pairs, \$3.00.

No. 1720.—Fine quality Cotton hose. Made of 2-ply Egyptian yarn, with 3-ply heels and toes. Black, light and dark tan, champagne, myrtle, pearl gray, oxblood, helio, sky, piuk, bisque. Box of 4 pairs, \$1.00; 6 pairs, \$1.50.

No. 1175.—Mercerized. Same col-

No. 1175.—Mercerized. Same colors as 1720. Box of 3 pairs, \$1.00; 6 pairs, \$2.00.

For Men

No. 2404.—Medium weight Cashmere half-hose. Made of 2-ply Botany yarn with our special "Everlast" heels and toes, which add to its wearing qualities, while the hosiery still remains soft and comfortable. Black, light and dark

tan, leather, champagne, navy, myrtle, pearl gray, slate, oxblood, helio, cadet blue and bisque. Box of 3 pairs, \$1.50; 6 pairs, \$3.00.

of 3 pairs, \$1.50; 6 pairs, \$3.00.

No. 500.—"Black Knight." Winter weight black Cashmere half-hose. 5-ply body, spun from pure Australian wool. 9-ply silk splicing in heels and toes. Soft, comfortable, and a wonder to resist wear. Box of 3 pairs, \$1.50; 6 pairs, \$3.00.

No. 1090.—Cashmere half-hose. Same quality as 500, but lighter weight. Black only. Box of 3 pairs, \$1.00; 6 pairs, \$2.00.

No. 330. "Everlast" Cotton Socks. Medium weight. Made from four-ply long staple combed Egyptian cotton yarn, with six-ply heels and toes. Soft in finish and very comfortable to the feet. A winner. Black, light and dark tan. Put up in boxes. Box of 3 pairs, \$1.00; 6 pairs, \$2.00.

Instructions

If your dealer cannot supply you, state number, size and color of hosiery desired, and enclose price, and we will fill your order postpaid. If not sure of size of hosiery, send size of shoe worn. Remember, we will fill no order for less than one box and only one size in a box.

Catalog Free

If you want something different than the styles and shades listed, send for handsome free catalog which shows an extensive line in colors.

Penmans, Limited, Dept. 44 Paris, Canada





Large Pictures Small Cost.

In this serviceable little Camera we have simplified picture taking to the last degree. It loads in daylight with Kodak Non-Curling Film Cartridges for four, six or twelve exposures; has a fine meniscus achromatic lens, automatic shutter for snap-shots, or time exposures with set of three stops; has two finders and two tripod sockets. Takes pictures 31 x 41 inches, and is well made and finished in every detail. Anybody can take good pictures with this camera without previous experience. The price is \$4.00. Ask the dealer to show you the

No. 3 BROWNIE

"The Book of the Brownies" free at the dealers or by mail.

CANADIAN KODAK CO., Limited

TORONTO, CAN.

Would 1/2 More Water With the same power Interest You? It is accomplished with the Double-Acting

"American" Deep Well Pump It delivers full cylinder capacity both on the Downstroke and the Up-stroke. It requires at no time more power than the up-stroke of a single-acting cylinder of the same displacement.

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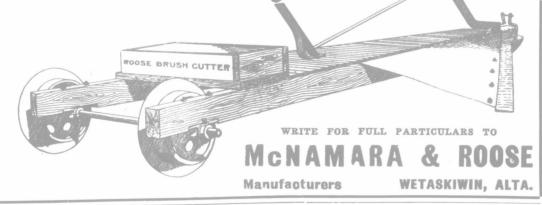
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A solid steel machine, easily worked with four horses. Takes the place of thirty men cutting by hand. Will clear from five acres a day up. Get the brush off your land. It is no good for any purpose and it's hard to sell brushy land.



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JOB DEPARTMENT

PHONE MAIN 9000 or 9001

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WISE FOLKS

The New Improved De Laval Separator

is so simple that only one tool is required to entirely remove its few parts and re-assemble them—it requires no expert. The neck bearing can be removed and replaced by the merest novice and centres itself automatical-The spindleless bowl cannot be injured in removing it from or replacing it in the frame, and it is impossible to throw it out of balance or cause it to vibrate in or-dinary or extraordinary use. Every part of the machine is made as accurately as a watch, and in operation it is practically noiseless. It is the housewife's machine, beautiful in design, perfect in construction and infinitely simpler than her sewing machine. It pays for itself.

Write for catalog and name of nearest agent.

The DE LAVAL SEPARATOR CO.

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A Frank Statement

OW many manufacturers of ready roofing will tell you franklin be are made?

Mighty few.

They will talk about "secret formulas," "special waterproofing compounds," etc.—all

They don't tell you what the goods are made of because they don't dare.

From the start we have never hesitated tell the buying public just what Amatite is made of and just what it will do.

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Amatite is made of two layers of Coal Tar Pitch—the greatest water proofing material known. Alternating with these two layers of pitch

are two layers of coal-tar-saturated wool felt to give it tensile strength. On top of these four layers is a real mineral

surface—five layers of protection. The mineral surface is permanent, fireproof, and absolutely requires no painting.

It Needs No Painting

Roofings that require painting are a worry and an expense. Every year or two you have The Paterson Manufacturing Co. to climb up and give them a coating with some special compound sold by the manufacturers, or you are pretty sure to have a leaky roof.

Amatite is Making Good

We are constantly receiving letters from customers telling us how satisfied they are wit Amatite-how much better it is than the oldfashioned roofing.

Year after year, in all weather, Amatite will give perfect service without any painting or attention of any kind.

Surely this is the kind of service that wins and keeps customers.

Free Sample

Before you go to your dealer and buy a roofing, we should be very glad to send you a sample to that you can see for yourself just what w are talking about-what a solid, substantial, reliable roofing we are offering to the public.

Something Back of It

Remember, in this connection, that Amatit s made by the largest manufacturers of roofing materials in the world, and that when you bu this roofing there is something behind it. We stand back of every roll. We know we are offering the best and the most economical ready roofing on the market.

For the sample and booklet address our nearest office.

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THE CANADIAN BANK OF COMMERCE

HEAD OFFICE, TORONTO

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A. H. IRELAND, Superintendent of Branches

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The Van Slyke Breaking Plow



Dr J. W. Rowntee, President Van Slyke Plow Co., Red Deer, Alta

Dr J. W. Rowntee, President Van Slyke Plow Co., Red Deer, Alta

Dear Sir:—

Referring to demonstration which was given by you of your breaking plow, a few days ago, I noted the following conditions which recommended it to me very strongly.

The undercut share or fin on the landside, which prepared the next furrow for turning, would leave no possibility of any portion of the next furrow being turned without being cut loose from the adjacent sod. There seemed to be very little friction on the share and mold-board, it having so small an angle with the landside and the long sweep of the arms or rods back of the moldboard seemed to turn the sod with perfect ease and little friction, although turning the sod 20 inches in width, and a depth of not less than 4 inches, the draft was so light that it would appear one good team could handle it without very great effort. The coulter set at an angle and attached to the point of the share seemed to be a very good device, as it not only stiffened the coulter and kept it in exact position, but also cut the sod at an angle so it could less easily stand on edge. This assisted turning very much.

Owing to the soil which we have in the irrigation block, I believe you will find it to your advantage instead of cutting a furrow 20 inches in width to cut two furrows 12 inches in width. This will have a tendency to join the edges so as to leave flat the surface and where the sod varies as to its toughness, as it does here, it will turn the sod unbroken and leave a surface best suited for cultivating and would require less discing than it would if turned in wider furrows and not laid as regular.

If a few details are worked out I consider you have a plow that will eclipse anything that is now on the market and will work a revolution in breaking sod on this Western prairie. With these few suggestions permit me to say, that any assistance I can give you in working out this point, I will gladly do at any time, and when a plow turning 12-inch furnows such as can be evolved from the plow sho

WRITE FOR FULL PARTICULARS SLYKE PLOW RED DEER, ALBERTA.

Mention the Advocate when Answering Ads

Founded 1866

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General Manager

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d deposits made -town accounts.

THE BRANCHES

Plow

r-cutting shear from ide and the unique device. Numerou farmers testify as to



plow, a few days ago, at furrow for turning, ied without being cut the share and mold-po of the arms or rods title friction, although the draft was so light at effort. The coultry good device, as at the sod at an angle

will eclipse anything this Western prairie, an give you in work-rning 12-inch furrows ation, has been made n my farm. I under-brush land an 18-inch

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wering Ads

FARMER'S ADVOCATE

AND HOME JOURNAL

Vol. XLVI.

Winnipeg, Canada, June 1, 1910

No. 923

FARMER'S ADVOCATE

AND

HOME JOURNAL

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EDITORIAL

Cleaning Up

Among the items that need attention in the annual spring clean up about a country home is the water supply. More illness can be credited to impure water than the average citizen dreams of. Objectionable materials conveyed to wells by surface streams, or by soakage, develop germs that frequently harm weaker members of a household and sometimes those who are not so weak.

Therefore, every precaution should be taken to see that well curbings are strong, and that the top is thoroughly banked and so covered that the danger of undesirable materials getting in is reduced to a minimum. Pure water is as essential as clean, pure food, and perhaps more so, because the cooking process is sufficient to destroy germs that may lurk in the Absolute cleanliness should be ob served in connection with both.

Dairy Special Trains

during June dairy special trains will be sent out would pay several years' taxes. of Manitoba Agricultural College, and along which main roads passed to that city, is much as possible from the whole world. The

impress upon the farmer the advisability of organization. keeping a few cows and handling them and their Definite plans and system are essential product properly.

American Cattle Situation

is used to sum up the cattle situation in one of in rural roads. the chief beef states of the Central West. Terms very similar have been used to describe the live stock situation in more than one state corn will sell next fall around last season's up with a ludicrous sense of their importance, show much decline. Farmers in many parts for councillor or school trustee, or have threshof the Canadian West have made encourag- ed a bigger crop than anyone else in the disyears. The man who has young stock should neighbors' eyes! hesitate before disposing of them until they How many men, too, are slow to learn anyare in best market condition.

Good Roads Movement

Manitoba Agricultural College; authorities in pays to haul large loads. Farmers agree that minor convenience in practice, and so on. the city of Winnipeg have carried on an educa- the same holds good in regard to vehicle The remedy for this impending self-satisfac-

lines similar to those used to advantage on a spreading gradually, and now indications are similar campaign in 1907. Demonstrations, that within a short time the Manitoba Good lectures and discussions should do much to Roads Association will be a truly provincial

to satisfactory road construction and maintenance. Uniformity in all parts of the province-and throughout the West for that "So far as the marketable supply of fat matter—would be advisable. With a live road steers is concerned there is a decided shortage." commissioner to plan and advise and a live This sentence, taken from last week's market organization to interest the people the next report in one of our American contemporaries, few years will see much needed improvement

Big Frogs in Small Puddles

Every community knows one or more inon the other side. There has been a decided dividuals who delight in talking of themselves shortage in fat steers in American markets and what they call theirs. "It is natural for for some time, and the way things have been some owners to rate their horses as world-beatgoing this shortage is not soon to be made up. ers, just because they have nothing really high-Under the magnetic influence of unprecedented class with which to compare them," wrote an high prices stockmen have been selling close American horse editor recently. Yes, and the and it would not be a very risky bet that there same principle applies to estimates of many will be a "decided shortage" of fat steers for a other things—ourselves, for example, our longer time than the consumer with a palate children, our noted relatives, our farms, our tuned for porterhouse and the other fancy methods! We have all seen infatuated cuts in the steer's back, cares to think about. schoolboys blowing themselves out like frogs, With feeders selling at six and a half, or better, over some trifling accomplishment in heading and stockers being taken out at five and three- their class, as though it were an event of at quarters, with none too good reports from the least county importance. And we have seen grass country, and a strong probability that older men professing modesty, yet puffed figures, values for beef cattle are unlikely to because they have headed the poll in a vote ing profits from cattle feeding of recent trict. How absurd they appear in their

thing, because they think they know so much already! In agriculture, for instance, this self-satisfied attitude is one of the greatest Good roads enthusiasts always experience bars to progress. People follow inferior megreat difficulties in arousing the general public thods, keep poor stock, grow indifferent to action in supplying what they all agree is varieties, pass splendid opportunities for the very desirable. No man who makes use adoption of improved methods, because they of rural highways for twelve months doubts the don't comprehend that there is anything bet-The dairy industry in Manitoba is receiving necessity of improved roads. Railways have ter. They buy bran instead of growing alfalfa, some much needed encouragement. Recently learned that the more care is taken in provid- sow oats instead of planting more fodder short courses for cheesemakers were given at ing superior road-bed, the greater is the satis- crops, reverse sound principles of rotation beoutlying points by the dairy department of faction on the road; they also realize that it cause they exaggerate the importance of some

tional campaign among those supplying milk traffic. But they do not stir to action readily, tion is to gain a broader outlook, through and cream for city consumption; large cream- Many dread the lavish expenditure of money travel, reading and personal intercourse with eries do what they can to induce patrons ship- and the possibility of increased taxation. They bright men. There are many things outside ping cream to send only high-grade product. forget that more is lost in time and in broken one's locality near home better than anything The latest announcement intimates that harness or rigs or in run-down horses than of the kind. Endeavor to see or learn of these best things wherever they may be. It on the two leading railway lines of the province In Manitoba the campaign is progressing, is unwise to confine interest to a municipality, to assist farmers by advice and demonstration. Enthusiasm, at one time in evidence only in a county, a province, or even a single country. This work will be conducted under the auspices Winnipeg and a few municipalities through Strive to draw knowledge and inspiration as

than we. If we cultivate the tactful, inquiring time of the Royal show. spirit, we shall be learning something every day. Exchange experiences with the men you meet, but don't boast. Travel as much as meet, but don't boast. Travel as much as we're well housed. "Throughout the twentytime and resources permit, then supplement this six counties of England 1 have not found its by extensive reading. Content yourself not equal," is the tribute of Rider Haggard to the of horses in a Manitoba tarmer's barnyard and with tolerable examples, but aim to rival or Sandringham farm. The story is told that at the owner drew our attention to a heavy-crested with tolerable examples, but aim to rival or excel the best extant. Measure yourself by Sandringham some years ago, a lary loater built dappled grey, of which he wished us to take excel the best extant. Measure yourself by a wretched shelter on the estate hardly better special notice. "There's a horse I brought up large standards; aim high.

Noise About Alfalfa

still are skeptical as to the success of any of nought. them under prairie conditions. A few years ago strenuous efforts were made to introduce lover of horses and of racing. Undoubtedly had our friend been able to lead him up to the red clover. Fair success attended these efforts, this love of horses has been a potent factor in settlement, he had not a single doubt. Only a It was at least demonstrated that with good the development of the thoroughbred to its pres- broken leg was between them and another take seed and thoroughly prepared soil this excel- ent high standard. The King's presence was stallion deal, for our triend proposed to make lent hay and pasture legume could be grown on the Canadian prairies. Recent years have seen a gradual increase in attention paid to it.

But alfalfa, another legume, has come to the front. Farmers of other lands claim that it is one of the greatest crops known to the farming industry. It has the nitrogen-gathering power of other legumes, is a deep rooter produces two or three crops of hay in a season and is a perennial. These are a few of the characteristics that have led enthusiasts in the West to adopt it as part of their product.

In all the enthusiasm that has developed, however, none have dared to intimate that the growing of red clover or other legumes should be discarded. There is a place for all. When ample tests have been made of each, the farming public will be in a position to adopt one or more according to conditions. There is no reason why the acreage of alfalfa, red clover, alsike, peas, and perhaps other such crops should not double and treble as the years go by. Indications are, particularly in Saskatchewan, that the increase will be most noticeable in alfalfa. However, farmers looked for as a matter of course at all the great, his terms so liberal and get so many Gaicians "grow a little of both."

King Edward the Seventh

OUR ENGLISH CORRESPONDENCE)

is no longer king, and that another king reigns people roared themselves hourse, and thousands breeding," weighed about 1,600 pounds, and had instead.

was short, but in deeds he has left a deep impres - Year-Old Plate at Kempton Park. C *116.1

humblest men we meet know something letter. Mecca, of the world's agriculturists during the

than a pigstye. In other words, he was a "squat- from the East a year ago last winter," said the ter." The man would not work, and lived by farmer, "and but for an accident to myself I begging and poaching. Mr. Beck, the agent, would have made six or eight hundred dollars wanted to drive the man away, but the Queen out of him. Bought him to sell to the Galicians On another page of this issue a correspondent intervened and suggested that a cottage be built back in the scrub country but broke my leg and asks: Why so much noise about alfalfa and for the man and his family. Mr. Beck remon-couldn't get him back to the settlement to make so little about red clover and other legumes? strated, but the King cut short the interview, a sale. Afterwards I bred him to every mare This is a matter concerning which attention by and said: "Now, Beck, you have heard what the about the place and then not caring to be bothfarmers of the West will result in profit. All said." The cottage was built, but the man re-three wobbly-legged "weed" foals running about who have considered the question intelligence. who have considered the question intelligently fused to live in it, and stuck to his old wooden the yard and several mares about whose being agree that legumes are a valuable crop. Many pigstye - so the kindly intervention went for in foal there could be no question, was ample

One of the most notable characteristics of the That was once the Galicians were running in King was his love of sport, and he was a great luck. That they would have bought the stallion

HORSE

Observations on Horse Subjects

A few weeks ago we were looking over a bunch evidence of the stallion's powers as a foal getter.



USEFUL TEAM OF COMMON TYPE, OWNED BY RUPERT WARD, OF "SPRINGHILL"

should accept our correspondents' advice and race meetings, and nothing pleased His Majesty in on the deal, that even if a few did go broke. more than for one of his horses to win a well- die or squirm out of the contract by some means contested race.

Three times has the supreme honor of the turf - second part remaining to collect from that his the winning of the Derby-come to the King, profit would be up around the figure indicated the last time so recently as 1909, when his With dramatic suddenness King Edward the "Minorn" won. Those who saw His Maiesty. The less said about the stallion the better Seventh has passed from life unto death. It take the bridle, and lead the successful horse back. He cost \$175 "down East," was called a French seems incredible that "Edward the Peacemaker" will never forget the scene. A hundred thousand draft, said to have "papers vouching for his pure

a few days before his death. In years his reign "Witch of the Air," was first for the Spring Two-however, vouchsafed the information that he

sion on the British Empire and the whole world. Not so very long are a British journalist met, warm right up to, part with their cash and sign His personal popularity was extraordinary among in Berlin a courrier whose r many years had been point and several promissory notes for. Knowing every class of the community, but in no sphere a close friend of Kine Elivard. In conversation Galicians and the kind of horses they wanted will the King be more missed than at the great be declared. "Your king is the wisest statesman our triend had cause to regret the unfortunate agricultural shows. His very presence had in Europe; helters room than any other besincident that prevented him effecting an "unthe rest of the with their success. The King was cause of his largery there, though his ability load." We sympathized with him over the loss at each late stock-breeder, and regularly may not be a care that near Wilhe make is most of the "profit" and the fact that he had such a the country of the cattle shows. He have in the country of the property of the "profit" and the fact that he had say that the cattle shows. He have in the country of the property of the property of the specimen of the brute creation on the black of the country of the Reval of the country of the property of the specimen of the brute creation of the brute creation of the brute creation of the brute creation of the country of

Something must have moved the old mark the state of the very beginning to the series of the very beginning the very beginning to the series of the very beginning to the

or other, he would have enough parties of the

of hands were extended in congratulation. legs and feet under him that would make a King Edward only returned from the continent - On the very day of the King's death his horse, "quality" Clydesdale man weep. Our friend was just the kind of a stallion the Galicians would - mething must have moved the old mare that

June 1, 1910

Subjects

cover a banch barnyard and leavy-crested d us to take I brought up inter," said the it to myself I undred dollars or the Galicians ske my leg and ement to make to every mare ing to be both him." Two or running about ut whose being ion, was ample as a foal getter. vere running in ight the stallion him up to the doubt. Only a and another take posed to make

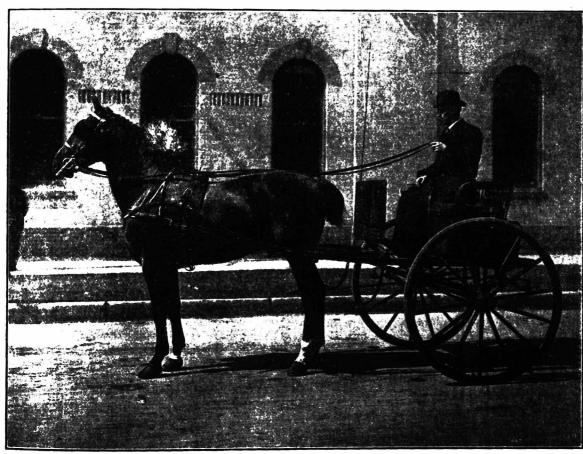


many Gaircians w did go broke t by some means th parties of the ct from that his figure indicated

llion the bett s called a French thing for his pure pounds, and had would make a cep. Our friend rmation that he e Galicians would eir eash and sign es for. Knowing ses they wanted. the unfortunate frecting an "unhim over the loss at he had such a ornite creation on t in sight or safely t convinced that he old mare that heart the time he serul country to the unsuspecting

hing TW 111 a big ' cale Silves : 15 e: 11. } 11: :: .

on in this country. We need to have our stallion was. Now, the Memorine may kick on taking all. Tests made at the Royal Velenmary Coilaws so amended that traffic in this kind of horse oaths, refuse to render military service and hold lege, London. England, demonstrated that old would be put a stop to. Of course it may be held that there is no original sin, but their faith did sprouted potatoes are liable to cause serious that the likes of Galicians would buy any kind of not prevent these representatives of the sect from disorders. In the instance quoted eleven horses horse anyway, and that if they will buy the poor licking up a lot of "rot-gut" which the peddler died from eating small quantities of sprouted ones and pay a good long price for them, they gratuitously provided. In fact, they camped potatoes that had been stored in sacks. We offer a good market for pure-bred weeds, and right in the stable, but then it was a local option would not advise feeding potatoes at this season. that the serubs might better be with them than town. An interpreter was secured to open ne. They have small feeding value at any time and in communities that rate themselves of higher in-gotiations and he warmed up to the jeddler there is no use running the risk of colic and other telligence in horse breeding, and so forth and soon, with astonishing alacrity. However, to make a disorders merely to get rid of a few old potatoes. But that is not the point. The use of grade stal- long story short a deal was struck, the parties of lions should be restricted and the use of stallions the second part fancying a big, flabby-muscled, afflicted with the unsoundnesses of this one should crooked-legged brute, actioned like a cow, worth be prohibited altogether. We need a stallion something probably for dog meat, if one had him Wisconsin, North Dakota, Ohio and other are made and pure food laws not enforced, af-raising an orphan to alby hand: American states. If stallions sold or used for theted with most of the blemishes, unsoundnesses public service were required to be certified to and hereditary diseases that stallions are dis- may be raised on cows' milk, if the attendant as to soundness by a qualified veterinarian ap- qualified for where stallion laws are in effect, but conducts the work patiently and intelligently. pointed by the state and their breeding vouched worth nothing at all to the Mennonites so far Choose the milk of a cow that has recently calved, for by registration certificates that stated plainly as we could see. The price was three thousand preferably one which gives milk low in butter fat on the face of them what the horse was, whether dollars. Next day the peddler packed his re- for mare's milk while rich in sugar, is poor in fat. he was bred pure in any of the recognized breeds maining equine possessions into a car and moved. Sweeten the milk with molasses or sugar and or whether he was a grade - and we would have on. He had got a fair lump of the price in cash, dilute with warm water. Give a little of this acl. s. too, called "scrubs" into which category enough to leave him about five hundred per cent, prepared milk at short intervals from a scalded



THIS TYPE OF HORSE IS FANCIED AT HORSE SHOWS

indicated by those branches of our public service not need stricter stallion laws? that are supposed to have somewhat at heart the interests of improvement in horse breeding. But of stallion laws, more anon.

Lest anyone should jump to the conclusion Editor Farmer's Advocate: that Galicians are the ripest bunch of suckers. when it comes to a horse deal, that ever came out no sale for them am feeding them to my horses of Eurepe, we would like to relate a few in- a gallon to each horse every morning. Kindly stances where so-called wide-awake Canadians, say if this is too many, or if more would be bene America's and others of Anglo-Saxon descent ficial, and when is the best time to feed them have to d themselves up to good-for-nothing stal- morning or night? lions it is somebody sold them while they were mesmerized, but refrain in case something refere 18 111.0

ed then the unsophisticated buyer would have nites having nothing further to entertain them in suggestions have been received. Lolling bits of less cause for excuse if he got "burnt" on a deal, town started off with their prize package, in high various descriptions are sold by harness dealers. and something resembling progress would be glee. The incident was closed. Do we or do we We reproduce diagrams of some of these which

EQUITANT

Potatoes for Horses

One gallon of potatoes per day to each horse say might be taken to have personal is not heavy feeding. It has been demonstrated somewhere and offend. However, here by experiment that 12 pounds per day of raw, thing attached to the center of the bit that will is ago this spring we chanced to be however, are not always borne out in teeding by Western burg that was the nearest farm horses. Experience in feeding potators. A Middle ex-Co hor eman ends the following ed stable" had just rounded up a bow they should be cooked. A well-known British The but it a little forcer than an ordinary b to the new senses of the same in the same of the selection of the selection of the second field in the section of the second second section is the second section of the second section in the section of the section is the second section of the section is the second section of the section is the section of the section of the section is the section of the section of the section is the section of and to see what kind of an arrist be seemed assigned as a born teel a which has one of a tangue of the horse, then 2

Raising an Orphan Foal by Hand

Dr. A. S. Alexander, of the Wisconsin College law in this country modelled after those that near a dog food manufactory, or of value perhaps of Agriculture, in a recent circular on the care have recently been put on the statute books of to stuff into sausages, in places where sausages of new-born toals, offers the following advice on

In case the mare dies or has no milk the toal world go such brutes as have been hete describ- profit if he never got any more, and the Menno-nursing bottle and large rubber nipple. Be careful to keep the bottle and nipple scrupulously clean. Add an ounce of lime water to each pint of the prepared milk and allow half a cupful once an hour at first.

> As the toal grows, gradually increase the amount of milk fed and lengthen the intervals between meals. In a few days food may be given six times a day and, later, four times daily. The foal will soon learn to drink from a pail, if allowed to suck the attendant's fingers at first.

Until the Lowels move freely, give rectal injections night and morning. If the foal scours at any time give two to four tablespoonsful of a mixture of sweet oil and pure castor oil shaken ep in milk and stop teeding milk for two or three areas, allowing sweetened warm water and limewater instead. Let the foal lick oatmeal as soon as it will cat and gradually increase the amount and add wheat bran. In five or six weeks some sweet skim milk may be given and the amount gradually increased daily until, in three months or so, it may be given freely three times a day in place of new milk. The foal at this age also will be eating freely of grass, grain and bran.

At all times supply pure cold drinking water. Let the foal run out in a lot or grass paddock tor exercise. Accustom it to be handled daily. Feed small quantities of nutritious food often, keeping all food vessels clean and the foal should thrive and develop well.

To Prevent Lolling

In reply to an inquirer who wished to know how to prevent a horse lolling - i. e., allowing his tongue to hang out of his mouth - a good many have been used with satisfactory results by several of our correspondents. In connection with these drawings, it may be well to point out that what will effectually overcome the habit in one horse, will not always give good results in another. The general principle is to devise a I have a quantity of potatoes, and as there is bit that will keep the tongue down in its place. This is most commonly accomplished by some-



be Mennonites just to kind of square wholesome, unsprouted, ripe potatoes may be curve slightly upwards and back, preventing ted to horses with good results. These results, the animal from extending the tongue over the

to a Mennonite settlement. A horse is that in a raw state they are not reachly digested. I tensember we had a bit made in comething of th a bunch of "stuff" in the "livery and may therefore cause colic. For last results, this way that are world the number of months of of the faith of Simons of Friedland, authority on reading lorses states that raw particular the brekking rime, are about 7 inch from each

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tongue. A blacksmith made ours."

avail, until he purchased a lolling bit at a harness either is not the question; neither is it worth shop, since when the horse has not once put out rehearsing the stock arguments pro and con, of



to lie flat on the tongue.

with guiding him, and cured him completely."-London Farmer's Advocate.

STOCK

The Western Farmer's Cow

EDITOR FARMER'S ADVOCATE:

Special Purpose," to characterize my letter of spread of knowledge.

the very ends of the bit; a small jointed-wire bit possible to palm off on a person an imitation for the dual purpose type of cow is the basis of the is fastened in the small rings, joined in the center the real thing. Your correspondent, I note, objection by so many worthy people. This lack to a small ring, so that it would not kink, but states that only eight years ago he was led away however, bids fair in time to be removed by would hang loose pretty well down over the and had an unfortunate experience—not an un- such valuable institutions as the agricultural usual thing with the newcomer from the British college of the University of Saskatchewan. Let W. E. Stout, of Halton Co., had a loller, on Isles. However, the matter of your correst here be light! which he tried several experiments, without pondent's experience, or lack of it, or mine his tongue while the bit was in his mouth. This persons with minds made up, irrespective of particular bit is constructed as shown in Fig. 2. the facts, of dual purpose versus special purpose. It does seem rather funny to read of a special purpose dairy advocate arguing the possession of dual purpose attributes in dairy-bred steers!

My article, to which exception is taken, was written for the rank and file of our Western farmers as found upon the prairie, not for the specialists in dairying, who are abundantly able to look after themselves, as long as they continue to specialize-by staying in their own field. Other forms of lolling bits that may be in- Sufficient evidence is easily obtainable to warrant spected in harness shops are represented by Figs. the statements put forward in my former letter, 3 and 4. Fig. 3 is much like Fig. 2, except for and the statistics accumulating day by day are one improvement and one defect. The improve- making my side of the case still stronger. Not ment consists in the bar, which keeps the bit more very long ago the directors of the International fixedly in place. The defect is that a horse with Livestock Exposition made a class for the Farma pointed tongue may insert it in the aperture er's Cow, and specially described her as being of where it becomes fast and swells, producing dis- the dual purpose type. Then more recently comfort, and causing inconvenience in removing I read in the calendar of the University of Sasthe bit. A Middlesex horseman of our acquain- katchewan, which came to me by mail to-day, tance found this trouble with such a bit. A bar that the Agricultural College has planned to have across the opening, such as shown in Fig. 2, would a representative herd of about one dozen cows prevent this. Fig. 4 is a device we have known, of the dual purpose or Western farmer's type, after the brief reign of nine years, while mourned but not seen tried. The center piece turns on the so that it would appear that I am both up-to- by men of all classes who have watched with adbit, and is supposed, when in the horse's mouth, date and in rattling good company. Any man miration his benign career as sovereign of the with an open mind who will just study the records British Empire, will be regretted by none more Still another device is described by a Lambton of the London, England, dairy show and note deeply than by farmers and stockmen, in whose Co. subscriber, as follows: "I had a colt that the various Shorthorn cows which have won calling he, from his youth, had manifested especial had that habit. I took a small strap and fast- there, must come to the conclusion that the blood interest. Those who were privileged to see him ened it to the ring of the bit, and brought it over of the milking strains in Shorthorndom is the on the occasion of his visit to Canada, in the the nose to the other ring of bit, and fastened it stream to turn in to the cattle of our Western year 1860, when in the last of his 'teens, will tight enough to hold the bit to the roof of his farmers. We should also note the records of remember the evident pleasure with which he inmouth, to prevent getting his tongue over bit. cows of admittedly dual purpose type, Shorthorns, spected the exhibits of live stock at the Ontario Then run a strap up his face, and fasten to nose- to be found at the Macdonald College, Que., Provincial Fair held in the city of Hamilton in piece of bridle to keep in place. I used this for under the management of Prof. Arkell; the splen- that year, when, as a bright and handsome young about three months. It did not seem to interfere did record of a similar type of cow, viz., of Il- man, he was introduced by the president of the luminata 3rd at the C. E. F., under Prof. Grisdale. exhibition to the owners of the herds brought be-This cow gave within a few pounds of eleven fore him in the show-ring. The love for and inthousand (11,000) of milk in her last lactation terest in domestic animals evinced by his mother, period. Then there are the records of the cele- the good Queen Victoria, and his father, Prince brated Glenside herd in the United States; those Albert, who established the Royal Farms at Windalso of dual purpose Shorthorns at Ames, Iowa. sor, Sandringham, and other places in England, My observation is this-gained after patient which have done so much to popularize purebred study and thought: That the disbelievers in stock, was inherited and enthusiastically manithe dual purpose Shorthorn are to be forgiven fested by the son, who, as Prince of Wales, at the and pitied. They have never knowingly seen age of thirty-four years, began the breeding of one; wouldn't know it if they did see; and, further, pedigreed stock, and competing for honors at the Your correspondent in the issue of May 4 don't wish to see it -- a most unfortunate condition Royal and other leading shows, and never, it is has seen fit under the caption "Dual Purpose or of mind to be in and a great hindrance to the stated, with animals other than of his own breed-

March 23 last, advising the farmers of our prairies I have no quarrel with your correspondent's which he was eminently successful up to the date to stay by the Shorthorn, as a little out-of-date contention for more dairy specialists. The of his death, winning at the Smithfield Show, in and the writer thereof a person of limited ex- more the better. Conditions must be met and December last, the reserve championship for the Well, as to that I may be pardoned considered. However, to attempt to use bulls best pen of that breed, he later took up for asking on such a momentous question to be of the dairy breeds generally on the grade herds breeding of Shorthorn, Devon, West Highland judged by a jury of my peers. While twenty- of Western farmers would be ridiculous and Dexter and Jersey cattle, and Shire, Hackney and five years' experience is worth having, it so nonsensical—yea, more, as disastrous as would Thoroughbred horses, in the latter of which he happens mine is of equal length, yet on the be the practice of breeding the agricultural type was deeply interested, having bred the notable

small rings about \(\frac{3}{4} \) inch in diameter are placed in when at the end of two-thirds of the period it is lack of real knowledge as to what constitutes

A. G. HOPKINS.

Steady Job for the Sow

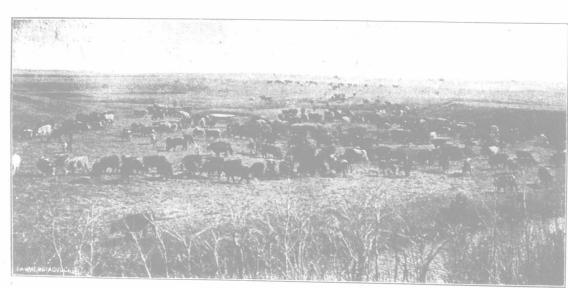
That recent record-breaking hog prices in the United States must have been largely due to failure of production to keep pace with increasing demand, is the conclusion of a well-reasoned article in the "Farmer," of St. Paul, Minnesota. The effect of high prices, up to a certain point, in tempting a sacrifice of breeding stock, thus accentuating scarcity, is also noted, though latterly a disposition is manifested to keep the sows and breed hogs more extensively. From this, it argues wisely, that the present is not a particularly opportune season to embark in commercial pig-raising. "But if you do start," it adjures, 'don't sell out the first time that prices go down, and wait for another period of high prices to buy back. Give the old sow a steady job on your farm; feed her and her pigs liberally and she will be one of the best money-makers in your pos-

The Late King as a Stock-Breeder

The passing of His Majesty King Edward VII. ing. Commencing with Southdown sheep, with other hand one could question its real value of mares on our farms to roadster stallions. The Derby-winners, Persimmon (1897), and his brother, Diamond Jubilee (1900). On the day of his demise one of his latest inquiries was of the success of his filly, Witch of the Air, in the Kempton Park race, which he was informed had won.

Animals imported to Canada from His Majesty's herd have taken prominent places in the competition at principal shows in this country, notably the grand Shorthorn cow Cicely, imported by W. D. Flatt, of Hamilton, winner of the female championship at Toronto in 1901, and sold at auction in Chicago, for \$5,000; and the bull, Cicely's Pride, imported by the late Sir George Drummond, of Montreal, and first in his class at the Canadian National Exhibition,

Of the 11,000 acres of land which King Edward acquired at Sandringham, he farmed rather more than 2,000, and he controlled the Shaw, the Flemish and the Frogmore farms at Windsor, keeping the Shorthorns and Shires at Sandringham, and the dairy breeds at Windsor. As an indication of the quality of stock kept on his



WHERE CATTLE THRIVE IN ALBERTA—EAST OF DIDSBURY

June 1, 1910

at constitutes e basis of the e. This lack removed by agricultural chewan. Let

HOPKINS.

Sow

prices in the ely due to failincreasing deeasoned article nnesota. The tain point, in ck, thus accenough latterly a the sows and From this, it not a particuin commercial t," it adjures, prices go down, h prices to buy y job on your rally and she ers in your pos-

ck-Breeder

g Edward VII. while mourned atched with advereign of the by none more men, in whose nifested especial ged to see him Canada, in the his 'teens, will ith which he inat the Ontario of Hamilton in landsome young president of the erds brought belove for and in-1 by his mother, s father, Prince Farms at Windces in England, ularize purebred siastically maniof Wales, at the the breeding of or honors at the and never, it is of his own breedown sheep, with ul up to the date ithfield Show, in ipionship for the er took up the West Highland, ire, Hackney and tter of which he ored the notable 7), and his brothn the day of his s was of the suc-, in the Kempton ed had won.

from His Majesnt places in the in this country, cow Cicely, imnilton, winner of Coronto in 1901, , for \$5,000; and rted by the late ontreal, and first tional Exhibition.

nich King Edward rmed rather more 1 the Shaw, the rms at Windsor, nires at Sandring-Windsor. As an tock kept on his had so multiplied he had less time to devote to to the usual Otley standard. the affairs of the farm, but he seldom failed to -

Dual-Purpose Cattle

(OUR ENGLISH CORRESPONDENCE)

Dublin show. Mr. Duthie claimed: "That if a type of animal to give milk.'

The dual-purpose cow has been much discussed get less than they might get. on this side lately, and while some very good milk the dual-purpose cow does prove profitable. But where butter or cheese is the first consideration, as in Wisconsin for instance; or beef, as in should take their place. many Western sections, the special purpose animal has rather the advantage over the dualpurpose one.

The sale of a portion of G. W. Tyser's Oakfield herd of dairy bred Shorthorns was fairly satisnearly £30.

SHORTAGE IN ARMY HORSES.

Our "under-horsed" army is the theme of much discussion, and various schemes are recommended

people's while to breed light horses, and they give for horses.

four-year-olds, and to £35 for three-year-olds to 60s. per cwt. wholesale. The inferior qualities and the people in general? Please do not discuss in autumn, and proportionately higher prices for officers' horses.

It was also suggested that the King's premiums for stallions should be increased, and a scheme of free service to mares be instituted.

Sir Walter Gilbey, in the National Review. strongly advises breeders to invest in the breeding of Hackneys, and advice from such an authority carries great weight. In spite of the advent of the motor car he believes that carriage horses of quality and breeding will command high prices for many years to come

In his own stud Sir Walter adopts the openair system or rearing, the mare and foal being kept' in a large paddock with only a shed for shelter. in carriage horse breeding-sound and hardy stock should be the aim of the breeder.

The Wharfedale Agricultural Show at Otley has been unfortunate for years in regard to the weather, and this year's show was no exception-

cold, heavy rains being the accompaniment.

farms, it is only necessary to state that ten years and some fine animals were shown. A promising of Dutch cheese often fail to give satisfaction \$1,090. The King, before his accession to the the reserve went to the Dublin winner, Mr. Har-bought as Cheshire cheese. throne, gave personal attention to the business of rison's "Mintmaster." Some grand Shires were The competition of Canadian and New Zealand his farms, but since that event the cares of state entered, but the display of Hackneys was not up cheese is acknowledged to be fair and straight, but

TAXING LAND VALUES.

attend for one day, at least, the principal live- Mr. Fels, a prominent American resident in cheese, of which some are certainly part skims. stock shows, and the gate receipts were always England, has taken considerable interest in the liberal on the day His Majesty favored the show agitation for taxing land values. Certain attacks Farmers' associations are taking action on the with his presence. And but a few days before have been made upon him, and in a most in- new aspect of the tariff question caused by Mr. his death, he made a motor-car tour of his farms, teresting letter to the Prcss, in reply he says: Balfour's declaration in favor of free Colonial accompanied by the trusty manager, Mr. Beck. "I own some 2,400 acres in four different counties wheat.

there was a dual-purpose breed of cattle on the badly-clothed, and poorly-educated laborers can a mored of the new proposals. F. Dewhirst. face of the earth it was the Shorthorn. They produce the most that can be produced from the could be made to pay either as milk or beef cattle. land. I don't believe that farmers with too little Let them not consider the scranky bare beast as capital can produce the most, and if the total production is less than it might be the landowners

"Let the producing classes have a free hand records of Shorthorns have been published, no in producing without the experience of being new facts of importance have been adduced. denied the use of land, and trackrented. The

vite all improving landowners and capitalists to which it would be well to have discussion. consider it.

Crawford. The fifty-one head sold averaged land sold was bought by the Cheshire County letters used will be paid for at regular rates to Council for the purpose of dividing into small contributors. holdings.

FRAUD IN CHEESE.

it became necessary to mobilize the army at as genuine Cheshire. This Dutch cheese is put cident to good fencing. short notice the situation would be a grave one. up the same as Cheshire cheese so far as external June 15.—Give directions for handling a flock At a meeting of the Bridlington Agricultural appearance goes, and is somewhat similar in in- of hens in summer when it is necessary to close Club, Mr. Wickham Boynton claimed that no ternal texture. Such cheese are branded on the them in to avoid damage to crops. one would enter upon the breeding of army cheese cloth, and when this is removed there is June 22.—Describe how to build an implement would breed them. The first step would be to in- retailers, as the Dutch cheese is made in three would build it, and what would be the probable cost. crease the price the war office was prepared to qualities—which are termed respectively half- June 29.—What do you consider to be the farmer's

ago, fifty-four of his horses, offered for sale at red bull calf, "Riby Swell," owned by Henry to customers, but it is the Cheshire cheese which public auction, brought an average price of Dudding, took the medal for the best male, and suffers in reputation because such cheese has been

> there is a strong protest against what is termed a system of fraud and unfair competition of Dutch

FREE COLONIAL WHEAT

of England. My experience has convinced me The National Farmers' Union has passed a resothat the land system generally injures the farmer lution to the effect that the interests of agriculand laborer, the builder and lessees of land. The ture in all its branches should be safeguarded in Mr. Duthie, of Collynie, gave an address on price of land is generally too high, and so are the the event of Tariff Reform becoming the law dual-purpose cattle at the dinner of the Irish rents. The rents are often drawn from the farm- of the land. Farmers want to know what will be Shorthorn Breeders' Association during the er's interest and wages, and even from his capital. their position from a business point of view, not "I don't believe that badly-fed, badly-housed, from the political aspect, and they are not en-

FARM

Topics for Discussion

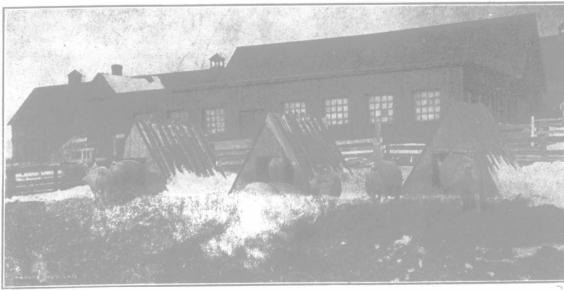
In recognition of the fact that valuable hints It has not been demonstrated the best beef qual- system of taxing improvements, and not taxing always are obtained from men engaged in actual ities and supreme dairy qualities can be combined unused land is bad in two ways. It hits the man farm work The Farmer's Advocate has adopted in the same animal. Under English conditions who should be encouraged to improve, and lets the "Topics for Discussion" column, in order that where the milk is sold for direct consumption, off the man who should be hit. I demand as an our readers may see an open channel through apart from its fat test-so long as it is above the immediate reform that farm buildings, machin- which they may inform their brother farmers legal standard, and where beef also sells well, ery, and all other improvements in urban and as to practices that are worth adopting and warn rural districts should be entirely relieved from them against methods that prove unprofitable. the burden, and that a tax on all land values Not only do we wish our readers to discuss the topics announced for the various issues, but also This is a good business proposition, and I in- we desire that they suggest practical subjects on

This notice appears under the "Farm" depart-High prices ruled at a recent sale of farm lands ment, but the questions dealt with cover all in a prosperous part of the county of Chester. branches of the farming industry. Letters should factory. Bulls and cows sold well, but heifers In all some 585 acres were sold, with the various not exceed 600 words and should reach this office were not in much demand. Only one outstand- farm buildings, for £33,815. Even pasture land 10 days previous to the date of issue. They are ing price was reached—100 gs. for the five-year- averaged £60 an acre, and an 18-acre dairy farm read carefully and a first prize of \$3.00 and a old cow "Royal Lady" sold to G. Taylor, of sold for £1,110. By far the largest portion of the second prize of \$2.00 awarded each week. Other

June 8.—Give your opinion of satisfactory fencing for prairie Canada. Which do you prefer, A strong indictment has been made before the ready-made rolls or wire stretched and braced as to overcome the shortage. The deficiency is Cheshire Chamber of Agriculture on what is said put up? Discuss size of posts, distance apart, said to be something like 120,000 horses, and if to be the growing practice of selling Dutch cheese bracing of corner posts and other particulars in-

horses at the prices offered at present. What nothing to indicate the origin of the cheese, and shed. Particularize as to dimensions of a buildthe government ought to do was to make it worth the claim is made that this cheese is often sold as ing to house the implements on an average sized Cheshire. The substitution is profitable to the farm; state where you would locate it, how you

> meated, three-quarter meated and full-meated. place in politics? How can he best use his in-The prices vary according to the class from 35s. fluence for the good of agriculturists in particular



HOW PIGS WERE WINTERED AT OTTAWA EXPERIMENTAL FARM

the parties now striving for power or the relationships of certain organizations to the policies of either party.

Summerfallow Treatment

Contributions on methods of handling the summerfallow show that a wide difference of opinion is held. Generally speaking, however, the preference is for keeping the soil absolutely black if it is deemed wise to devote an area to summerfallow. Some do not object to allowing weeds to develop to a considerable height before turning them under with the plow, while others again favor early plowing with oats sown as pasture for stock in late summer. When it is considered that the main objects of summerfallowing in the Canadian West are the conservation of moisture and the killing of weeds the preference easily is early plowing to a moderate depth, depending on the nature of the soil, and sufficiently frequent cultivation throughout the summer to kill all weed growth and preserve a loose mulch on top to avoid excessive loss of soil moisture by evap-

Our cash awards of \$3.00 and \$2.00 have been made in the order in which the letters appear.

Plow Deep and Cultivate Often

EDITOR FARMER'S ADVOCATE:

The main object in summerfallowing is to conserve moisture and kill weeds, so that all operations should have either of these objects in view just as soon as possible after seeding the work of summerfallowing should begin. The disc harrow should have followed the binder the fall before, or failing that the ground should have been disced early in the spring to break the crust and thus stop excessive evaporation and to cover any weed seeds on the surface and induce them to germinate early. This will have been accomplished by the end of seeding and then the plow should be started before the weeds get any size, for a crop of weeds will pump a soil dry much more quickly than a crop of wheat.

The proper depth to plow will vary with different soils, a deep rich soil standing deeper cultivation than a light sandy one. Personally I always plow at least six inches and find this satisfactory. The deep plowing brings up fresh soil and breaks up any "hard pan" bottom that may have formed from former shallow plowing. The very important feature of this plowing is to do it thoroughly, so that all weeds will be turned completely under and roots of grasses turned up to the sun. All stones should at this time be removed, for apart from the damage done to implements by them it is generally around stones that such weeds as quack grass, get a start and it is impossible to get rid of them until the stone is removed and proper plowing made possible.

The ground should be harrowed as plowed. A section of harrow and made to walk on the freshturned land beside the horses attached to the

Now for the after treatment. A new batch of weed seeds will likely have been turned up, and as these germinate at different times the disc harrow or cultivator will have to be run over the field at short intervals throughout the summer. Double discing is very satisfactory, but the cultivator is a little quicker and exposes the roots of grasses to the sun a little better. The harrow should always follow either implement as well as shortly after a rain to level the ground or break the crust as the case may be.

To insure the following crop standing up well It is necessary to have the land well packed. I have never used a packer, but find the generous plan is allow cattle to range over it and to sow rape thinly is recommended, but the whole contract of keeping down the weeds should not be

summer to keep down varies and pack.

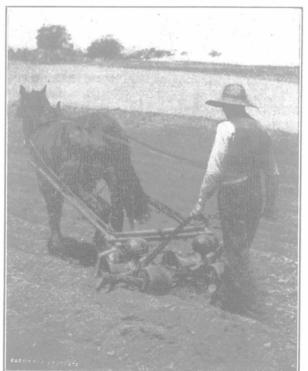
Believes in Plowing Twice

EDITOR FARMER'S ADVOCATE:

A great deal of work is done each year under the name of summerfallowing, which is of little use; much of it perhaps is worse than useless. How many fields are to be seen every season which are left unworked till the weeds are so far advanced that many of the seeds will germinate as soon as the proper conditions are present! These fields are then plowed and harrowed and the "summer fallowing" is completed. What wonder that, under such circumstances, the weed problem should have become one of the most difficult the farmer has to face!

The greater part of the land we have been working up to the present is rather light and perhaps our method of summerfallowing would not be suitable on some soils. However, since the great considerations in summerfallowing are the conserving of moisture and the killing of weeds, perhaps the means to be employed should not differ greatly with the different kinds of soil. The first stage in the killing of weeds is to cause their seeds to germinate, so that any work done towards the conserving of moisture is a great aid in the killing of the weeds.

Soon after seeding or when as many as possible of the weed seeds have had an opportunity of germinating, we plow the land, regulating the depth of plowing to suit the nature of the soil.



HOW ROOTS ARE SOWN QUICKLY

On our lighter land we find it best not to plow good scheme is to have a horse attached to a too deeply, as it is apt to loosen the soil too much. As each land is plowed, or preferably each day's work as it is finished, it is thoroughly harrowed If the land is old it should be manured well and plow. If this is not done it is necessary to harrow and the whole field, when done, is packed. This then plowed fairly deep. Harrow it thoroughly down well twice a day—before quitting at noon packing serves the purpose of conserving the to get all the bumps and sticks out of it. When further germination of seeds and as well, the harrow, the opposite way from which you intend thorough firming of the soil in preparation for to sow the seed. We use a hand drill with a the second plowing, which we believe to be essential to securing the best results. When the second crop of weeds have attained a stage of growth not far enough advanced to cause a great drain on the soil moisture and before harvest, this second plowing is done and is followed by the harrow and packer as in the first case. We have tried discing in place of the second plowing, but having had a good deal of couch grass to contend with, find the plowing better, as it kills out this grass where discing will not. The plowing may take somewhat longer than a double stroke of the disc, but the extra time required is paid for in better results. In this way we manage to grow and kill, three successive crops of weeds during the season, as any growth appearing after the second working of the land is hoe and gather them with the horse rake. Then effectively taken care of by the frosts of winter.

We find that we cannot get our soil too hard. For this reason we avoid working the land up too bed is obtained and the seed can be readily put

in the proper depth, the harder the land the better. This system may be improved by the use of special machinery, or under special circumstances, but as a general method of summerfallowing we believe it will give the best results on soil such as ours.

Man. Dow Bros.

Oat Pasture on Summerfallow

EDITOR FARMER'S ADVOCATE:

The time to begin summerfallowing, in my opinion, is in the fall. As soon as the stooks are off the ground run the disc harrow over the field, giving it a single stroke; a double stroke will make the ground too loose and cause trouble in getting the plows to clean. As soon as the crops are sown in the spring give the field a good cross-harrowing, as by this time the weeds have had a good chance to start and they are not far enough ahead for the harrow to run over without killing them. The land is left level for the plows.

Some men seed in the spring until it gets too late to seed and then summerfallow what is left, no matter if it takes all summer up to harvest to do the plowing. However, plowing should be done in June and first half of July so as to give time to get it well worked down again. This is the time for doing a thorough job, not forgetting to "root it up," as the saying is. We generally try to plow from five to eight inches deep. Of course conditions vary in different localities.

Try to have the land harrowed as you go along. A good plan is to have a horse tied along side hitched to a section of harrow. One application of the harrow the day the plowing is done is worth three applications a week later, as it pulverizes just as much and also conserves the moisture that would otherwise in a great measure be lost.

I have never used a land packer (so-called). The only packer I have is a good bunch of cattle and young horses, which I turn onto the summerfallow as soon as the weeds and grain start. A good plan, if the land is moist enough to start them, is to sow oats on the field. Close up the holes in the seeder, leaving only every third or fourth one open and set the machine to sow about two bushels per acre. This gives you about half or three parts of a bushel per acre. After these begin to grow, if you have enough stock to keep them eaten down no one need worry about harrowing, packing, cultivating, weeds or anything else, and if you give them choice between good prairie pasture and grain and weeds on a summerfallow I will bet dollars to marbles they will stay on the plowed field at least two-thirds of their SASKATCHEWAN FARMER. time.

Growing Field Roots

EDITOR FARMER'S ADVOCATE

In preparing the soil for roots you want to have it worked as fine and smooth as possible. noisture for the benefit of the future crop, the it is worked up fine give it one stroke with the marker on it, which marks for the next row from that which you are sowing. This makes a good mark across the harrow marks. It is well to sow the rows about 20 or 24 inches apart. This gives plenty of room between the rows to cultivate and keep the weeds down.

As soon as the plants are high enough to be seen in the rows start to cultivate. We use a horse cultivator between the rows, thinning the plants out to about 15 inches apart as we hoe. As the plants grow keep the weeds well hoed from them. When the tops die, or if it gets so late in the fall that they are liable to freeze, it is time they were taken up, as if turnips are frozen they do not keep when put in cellar or other storage. We cut the turnip tops off with the we take the drag harrow and go over the patch three or four times and most of them are pulled out without hurting the turnips any. They are stored in the barn for winter feed.

W. POTTER. Sask.

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FARMER.

ough to be We use a ninning the as we hoe. well hoed f it gets so o freeze, it s are frozen ar or other ff with the ake. Then r the patch 1 are pulled any. They

POTTER.

More on Clearing Scrub Land

EDITOR FARMER'S ADVOCATE:

and smell of the wiry willow and the stubborn takes from five to six horses.

that particularly sinewy and dense kind of job. And that result is quite possible on scrub earth, and let them freeze. We then chopped vegetation under classification as "scrub," that land such as we have. It is first necessary to them in quarters with an old axe, and left them that contains, more generally and profusely, the clear out everything above ground and burn it. in the house for an hour and a half before putting fore, I believe, on consideration of many other loose and from lying flat. It also interferes seemed to like them better than when kept from making a start for fresh territory.

and I like to point out the difference—the breaker you will find, curiously, has an adapt- spring they turned rotten, so we let the cattle tough prairie sod, interset with low, dense growth ability for following a straight line. In fact its onto the garden where they were pitted and they of willow bordering on the low places, and the tendency for following a given line will lead it soon did away with all that were left. This willow, poplar and oak-evenly distributed wish, that is if you are desirous of diminishing building and let them freeze. throughout its whole surface. In making the deviations in your first furrow. When left comparisons one would expect that the part to itself on a crooked furrow, the breaker will is the first week in May. prairie land would be the less difficult to manage. when veered in a certain direction run in to show in giving our experiences with both.

powers upon that first proposition, the prairie and to strike out again in some other direction to sod, and each year invariably we have met with cut the same caper, only with the opposite effect,

what might be termed something of a failure. We have tried various plans and experimented with different ideas gathered from our own and the like experiences of others, but have never met with a good working success, except it be in the early part or during a very wet season. After the usual season and after the usual performance it generally takes about three years to get the land back again into workable condition. Perhaps some wise acre is like to laugh a laugh of glowing wisdom at that confession. Well - fireahead - we have had much of that sort of thing and

the scythe. But the roots, having been partly evidence to favor a straight furrow. Second forth fresh roots.

perform, perhaps, a tolerable job; but even then And the only way to fix those roots is to make in force by the exertions of a powerful team of idea, though, seems to be a machine which does mixing the seed with the grain as I pickled, prehorses. That is the method we found most the trick after a wholesale fashion, but I have practicable.

Not far removed from this ill-fated stretch of saw anybody who did. prairie lay another field. It was what the neighbors called "pretty heavy scrub land." And I will admit it took a little extra effort to clear that scrub. The heaviest of it, which was poplar, we upheaved by placing a chain high up in the branches and attaching a team to every separate tree. In this manner we got rid of both tree and root. The more slender 9,246,498 pounds of seed cottor. Tobacco was growths of willow we removed with the aid of grown on an area of 73,218 acres, producing the custom in Ontario, as it gets very woody an axe and seythe, piling them into piles and 90.740 pounds.

burning. Willow burns easily if piled snug

In regular scrub land there is little sod. The EDITOR FARMER'S ADVOCATE: bushes grow more separate and do not form into would not undertake to clear out any patch of with the plow and the tranquility of the operator's eat them more readily when mixed. White personal "clear out" and never stop till I had On this land a steady hand with four good landed safe and sound upon the wide and rolling horses has a chance to make for himself a reprairies far away and beyond the very sight putation; whereas on the other land we find it Swedes. White carrots are easy enough to grow

There is some joy in the labor of holding a Now in speaking of scrub land I will say that teams, holding the bridles to guide the way. That supposition is not correct, as I shall endeavor that direction till it is past the next turn, and has run "deep," to be brought up like an ill-For seven different seasons we have tried our managed horse in the hands of a careless driver



BREAKING SOD NEAR BATTLE CREEK, SASK.

other unrequested and not particularly palatable gauging deep where it should run shallow and keep it down two years. The first year I cut it

It is an easy matter to remove the small otherwise, by the same tendency, to keep a cleaner and finer. amount of scrub, which we do by fire and with straight furrow straight. That is the first To avoid getting boulders. Why don't you pick the stones, you pushed aside. That leads me to state that a over it in the spring. This will squeeze any ask? Very easy. I would like to see anyone straight furrow is one of the first principles of go over that field and pick all the stones that successful breaking. In obtaining this end the lie three-quarters of an inch beneath the surface. best furrow horse should be kept in the furrow and start them to grow.

I consider timothy the best of all the grasses. I consider timothy the best of all the grasses.

a practical demonstration of the usefulness of a it before. Again an old mower may be brought only heard of it and never saw it working or

JOHN EDWIN SLATER.

128,739 acres, yield 3,258,284 bushels. Cotton was produced on an area of 12,937 acres, yielding

Carrots and Turnips

As to the "easiest" way of clearing scrub land such clumps as are found on prairie land, and so the In field root crops carrots and swede turnips I do not think there is any. Those who have roots there are more separate, and it is found that are the best feed for cattle, especially turnips, had even a little experience in that direction they do not take to such an extent, the aggra- as they are the easiest to grow and keep best in need not be told how to appreciate that re-vated form of their more degenerated brothers winter. Mangels are all right, but they require mark. Were I looking for an "easy" way to of the sod; but remain on a level with the surface rich, well-manured land to give a successful crop. get any kind of farm into productive shape I and, consequently, do not interfere so much Carrots seem to flavor the turnips, and the cattle scrub but would, first and finally, make a very temper—two essentials to successful breaking. turnips are not satisfactory, as they do not keep and cattle don't seem to like them as well as without any manure or other preparation. Last winter we had no cellar room, so we put the But as it is the kind of land inclined to produce breaker when you know you are doing a good Swedes in pits, covered with a little hay and peculiar combination of soils incidental to heavy It is not good practise to plow under smaller them through a pulping machine. We were and protracted crop production, I would there- scrub. We have noticed that it keeps them afraid the cattle might not eat them, but they things, favor the scrub-covered country if with the work of the disc harrow. In striking freezing in the cellar. When fed they were a land we have a man walk between the two about half-frozen, and though they had a very in our experience we have met with two kinds— This makes a first straight furrow. And the strong odor they did not taint the milk. In the true scrub land with its growth—particularly a little farther in certain directions than you could winter we intend to put them in some disused

The best time for seeding in an ordinary year A. Young. Sask

Timothy Displaces Summerfallow

EDITOR FARMER'S ADVOCATE:

The question of summerfallowing and how to

avoid it is a most important one. I have been farming here for twentytwo years, and it is only during the last four or five years that I have had my eyes opened to the wasteful practice of summerfallowing. have now discontinued it and am well pleased with the results. I have three quarter-sections, something a little over 400 acres, under cultivation. The method I have adopted is to seed them to timothy, 50 acres each year. I have now 150 acres seeded down. This gives me 50 acres to break up each year. I

advice from the knowing ones. But the laugh running shallow where it should gauge deep. for hay, and the second generally pasture it; alis quickly removed when they come to know. Thus, the natural tendency of the breaker is though if I have plenty of pasture I cut it the the sort of stuff with which we have to deal. to make a crooked furrow more crooked; and second year, as it gives hay of better quality,

To avoid getting stubble and dirt the first crop killed by the overrunning of numerous fires evidence is this: In trying to straighten a it can be cut with the binder. I have cut it with each successive year, by renewal of effort, spread furrow your plow must be lurched first this way the binder and had it cured alright, although it and then that way, and is seldom on a level has to stay out a little longer. If a person in-Now, breaking that land does not look like a bottom. In considering this, serious disadvantends to cut it with a mower the stubble should be very s'iff proposition. But, I forgot to tell you tages present themselves, but the greater one is raked in the spring; the scratching with the rake that we have below and above this identical piece that when you strike a root you do not strike it will also assist in causing the wild oats to germof prairie a number of very innocent looking square with a good ground hold, and so you are inate. A good plan also is to run the packer

So then, conclusively, the only way to work tinually striving to keep it on a level bottom. for this Western country, especially if the land that field is to jump the roots and break the high Two indispensable accessories to your outfit is is fairly heavy—the heavier the land the better spots—unusually tough sod—and if you hurry an axe to loosen the roots and a good sharp file timothy will thrive. My method of sowing is up and get it done before the drought you may to keep the shear always in perfect cutting trim. with a nurse crop, either wheat or barley. I do That is the way we handle the scrub question. not care for oats, as they are too leafy and the you must go carefully unless you consider your In addition to the above, some people plan to grass does not get a chance. I sow 6 pounds per business is to grow whiffletrees instead of grain. burn standing scrub with the help of a little straw. acre, with a grass seed attachment on the drill. This is successful wherever the fire has been over None need despair if they have not a seeder. logging chain, an axe and crowbar, supplemented into play to cut the smaller bushes. The latest Some of the best catches I have had were got by paring only a few bags at a time. The timothy sticks to the grain and is sown damp. The land should be nicely worked, the seed sown shallow. Of course the drill must be opened wide to sow According to a Japanese official report the enough. I consider this the surest method of area under Indian corn in Japan in 1908 was sowing, although it means a good deal more work than with the seeder attachment.

The grass should be cut earlier than has been if allowed to stand too long. Another thing to

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be considered is the presence of wild oats in the excitement between now and 1914. Not many grass. Cut it as soon as the oats head.

you going to keep your land clean without fal- ing at all. But lest some alfalfa or brome grass most successful convention at Saskatoon recently. lowing?" My reply is, if you have a piece of enthusiasts are inclined to deal harshly with me, So encouraging was the outcome that it was deland that is dirty plow it in the fall or early in kindly let me say, Mr. Editor, that I am still grow-cided to hold a similar convention every year. spring, shallow, then plow again or disk thorough- ing a little of both. ly about the first of June and sow to barley, seeding to timothy.

To sum up the advantages overfallowing: It will produce wheat of better quality; it will not impoverish the land, as it restores humus to the soil; it will stop drifting; the land is producing year. My experience with summerfallowing its cost.—Chas. Stover, Saskatchewan. has nearly always been too much straw, a very expensive crop to handle, and usually a poor quality wheat. One more important point, and that is to plow the sod early after the hay is off, about six inches deep-try to get it done before July is out. Get it well disked and then sufficient moisture will be stored up for the next crop. Man.

J. Curtis.

Handling Flax Crop

An interested reader writes that while writers frequently give advice regarding preparation of land and seeding of flax, little is given to show what are the best methods of handling the crop. We would therefore like to hear from some of our friends, giving particulars about when and how to cut the crop and details about handling it until it is disposed of. Let us know your experience.

Alfalfa or Clovers

EDITOR FARMER'S ADVOCATE:

about such clovers as red or broad clover, cow ping weighing and testing our milk, as I feel generally of the department, now was the time grass and others? Alfalfa, or Old Country satisfied that if a dairyman looks well to the to go forward. Butter could not be made on enlucerne, has been grown in England for cen- sire of his herd, and weighs and tests, his herd is thusiasm. It required cream. It was the second turies and so have most clovers, but for one acre bound to improve, and the hired men take more 50,000 pounds of butter-making that decreased of alfalfa some thousands of acres are growing red interest in their work. We commenced dairy- the cost of production. clovers. No farmer would think of seeding down ing 8 years ago, with the intention of bringing alfalfa for a hay crop or pasture in preference our cows up to the average of 6,000 pounds milk present situation, but what about the future? to red clover and mixed grasses, and I have each, which we did in about 5 years. yet to learn that the best clovers cannot be as Such statements as the foregoing should prove joint stock companies to promote the institution easily grown in this country as alfalfa. Alfalfa inspiring to every dairyman. A fairly high of dairies. Subscribers refused to respond to the has its place; it is handy for cutting green to use standard of 6,000 pounds milk was reached subsequent calls. That was why they went to as green feed, but it will never take the place in 5 years, and an increase of 23 per cent. has the government, when they were up against it. of the best clovers and grasses as hay or pasture. been added. Mr. Haine will probably be up to Mr. Motherwell considered that such joint stock Nor do I believe it is likely to succeed on our 10,000 pounds per cow soon. That is one par-companies might be put on the same basis as teleheavy Saskatchewan soils as well as red clovers ticularly interesting feature of cow testing; phone companies, with such regulations to suit and grasses, when the latter receive the same ideals are realized; then those still higher are changing conditions. attention, are better known and form part of sought for again with satisfactory results. the cropping rotation.

but I am just wondering if some more important cow testing in real earnest. forage crops will not be neglected during the

years ago brome grass was lauded to the skies. Now, I think I hear someone saying: "How are To-day it is a debatable point if it is worth grow-

FRANK SHEPHERD.

Five Times the Cost

VOCATE and look forward to its arrival every credit for the success of the convention belongs something all the time, instead of lying idle a week. I would not be without it for five times to W. A. Wilson, the enthusiastic superintendent

> The average yield per acre of winter wheat in the United States in the ten years, 1900-1909, was 14.3 bushels, and in the ten years 1890-1899, 12.9 bushels.

North Dakota Agricultural College is to carry government's campaign in 1897 and its conseon some tests in the oiling of roads. Crude oil quent establishment of creameries in many will be used and about a quarter of a mile of road districts, he asked his hearers not to be severe will be experimented on.

DAIRY

Definite Gains From Cow Testing

A. W. Haine, of Dewdney, B. C., writes as follows: "When we joined the cow-testing asso- out of all proportion to the cream in sight. ciation in 1908 we had 21 cows, aged between 4 and 7 years, with an average yield of 6,800 on the part of creameries throughout the provpounds milk. In 1909 our 21 cows averaged ince, and assured the delegates that their support 8,360 pounds milk. We have 16 purebreds and could be of great value. With the advantage Why so much noise about alfalfa and so little 5 grade Helsteins. I would not think of stop- of express rates and the live interest and help

What excellent herds could be developed if grease. It was often a surprise to him that that I don't want to throw cold water on alfalfa, dairymen all over the Dominion would take up quality had been kept up to so high a standard

C. F. W.



Dairymen at Saskatoon

The dairy association in Saskatchewan had a Addresses and discussions were of such nature as goes a long way toward convincing the Westerner that dairying can be placed in a class with grain production as regards profits. Almost all the speakers urged mixed farming instead of I am a constant reader of The FARMER'S AD- exclusive wheat growing. A great part of of dairying for the province.

Hon. W. R. Motherwell, in discussing the government's policy and its bearing on the dairy industry, pointed out that in the early years of the province those farmers who had taken up dairy farming had kept themselves off the street when grain growing farmers had gone to the wall. Referring to the Dominion in their criticism, but to benefit by the mistakes of that campaign. It was conducted with the idea of diverting attention from exclusive grain growing, and to assist the farmers during hard The Provincial Dairy Act of 1906 was sound legislation and the policy of the government since then had been to put creameries only where they would be successful. Such a policy of centralization had been all important. Before, there had been a multiplicity of creameries

Mr. Motherwell appealed for co-operation

They knew all about the past, they knew the There were the constant difficulties besetting

If butter had not quality it was but axle in the province. The department was anxious that the quality be maintained and improved. People liked blaming an institution or government with broad shoulders. Mr. Motherwell asked the farmers to give the government inspector a welcome when he went to them. He was there for their benefit, and his visits would have an educative value. It would be a great saving and a matter of considerable advantage to the industry if they could have a cold storage in Saskatchewan.

COWS AND PIGS FOR PROFIT

H. C. Lisle, M.L.A., Lloydminster, said that wheat was too much recognized as the principal agricultural factor of the West, but perhaps dairy farming was of greater moment. With wheat the best of soil in time became depleted. The other industry renovated the land. From a long experience of Western land conditions he knew that the bulk of the land held out conditions of great advantage for mixed farming. The mixed farmer was generally the more successful. In Alberta after several years' experience he had found that the best paying items had been cows and pigs. He had sown 150 acres in wheat year in and year out, and cultivated it according to modern methods, but he could safely say that putting one year against another, he had not made a cent out of wheat.

It was his experience that ranch cows didn't pay for their keep. They required importation June 1, 1910

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hewan had a toon recently. nat it was de-1 every year. such nature ing the Westn a class with . Almost all ig instead of reat part of ention belongs uperintendent

liscussing the aring on the in the early ners who had pt themselves farmers had the Dominion and its conseries in many t to be severe y the mistakes cted with the exclusive grain 's during hard :t of 1906 was of the governreameries only Such a policy nportant. Be-7 of creameries n sight.

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nster, said that

ROFIT

land. From a and conditions held out condimixed farming. he more successears' experience gitems had been 0 acres in wheat ited it according I safely say that ier, he had not

nch cows didn't red importation in hand from a practical standpoint to provide and not a reliable one. happiness.

Moosomin, and J. Burton, of Langenburg, took part in the discussion.

DEAN RUTHERFORD SPEAKS

The evening session was opened by Dean discussion. Rutherford, who spoke on the manner of feeding oats and peas and sorghum, or some fodder that milk and the scientific use of the separator. keeps coming on. Clover with oats, sorghum and try corn, and, if possible, have a small silo.

dairyman has his particular way of feeding.

spring and fall. He quoted statistics to show production. the great falling off in the make of butter during those months when the price was the best, and Simpson joined in the discussion. said that farmers should aim to prevent this by supplementing the pasture feeds by growing forage crops as suggested, so that they would passed have plenty of succulent feed for their cows at all times.

industry in Ontario or in Denmark. Here it to each other. would require more effort. The problem of

should start the grain ration, gradually increasing balance secured by approved promisory notes. medium temperature (140 degrees to 160 degrees it and at the end of two years they would have one of the best milk cows obtainable.

Professor Rutherford approved of this and told work and methods. the delegates to feed for production at those seaprice for his butter.

as bad butter, and nothing so sweet as good butter. Everybody eats butter, and the market would certainly continue to grow. Western dairymen were not supplying 40 per cent. of the Western demand. Butter was sometimes brought from Australia to supply British Columbia. Eastern Canadian houses, while looking for export, were also turning their attention to the West. This was the best market, and in order to hold it Saskatchewan dairymen must be ready to produce the best butter and the best only. So far, in order to increase the supply they had dealt leniently with careless patrons. But now he believed they had reached the stage where if the patrons would not follow the directions, they would be better without them. Last year they had made the first shipment of butter from Saskatchewan to the Yukon, and it was a splendid market. It could not be held without quality.

Coming to the patron's responsibility, he said that good butter could not be made without good raw material. A pound of butter is a pound of flavor. If the flavor is lost everything is lost. Cleanlines and keeping the milk cold were two essentials to flavor, and the cold tempera-

facilities for the introduction of the best strain Cleanliness was the all-important factor how- cream on the farm. for the industry. He was confident the pursuit ever: clean cows, stables, water and utensils. That in the interest of dairying, a system of

> Langenburg; J. W. Brown, of Tantallon, and date. T. Pinson, of Lloydminster, took part in the That dairymen be urged to give more attention

milch cows to get the most out of them. The structor for the province, then delivered an ad-vide forage crops to supplement the natural pasimportant point in this country was to have good dress on "The cream test from the farmers' point turage in the early spring and fall months, as feed the year around. He advocated the sow- of view; causes of variation; methods of separa- well as succulent foods for the winter production ing of mixtures in the pasture, such as oats, tion." In a technical, yet interesting manner, of milk. barley and wheat, fall rye and brome grass. Mr. Zufelt dealt with the different heads of his That this convention urges the government to There was nothing a cow liked so much as subject from departmental and local standpoints, give assistance in the vicinity of creameries variety. In summer time grasses generally explaining the Babcock test in detail. He ex- to the introduction of dairy stock, and particbecome dry. Farmers should sow at intervals plained fully the different component parts of ularly bulls.

E. J. Elves, T. Ross, Thos. Jones and N. O.

RESOLUTIONS ADOPTED

Dr. Flatt, of Tantallon, said that it was common centralizing the creamery work, and that our sured them of the loyalty and anxiety of his deto hear this province spoken of as a grain growing energies be concentrated in promoting the same, partment, which would always be at their service. province. That was a difficulty in the way of and further that we do strongly advise against dairying. It was easy to develop the dairy the erection of creameries in close proximity

labor was an important one. He urged that asked to sanction and help the establishment new methods have been brought to light. The the male at the head of a herd should be a Short- of creameries in districts in the province where curdling of the cream into larger or smaller lumps horn of the milk-producing strain. They should sufficient cream is not in sight, be it resolved during the process of pasteurization has caused avoid the beef type for successful dairying. that such amendment be made to the dairy act considerable trouble and financial loss in many I. Noddell, of Moosomin, spoke on the grading that shall prevent danger to the dairy industry, creameries, and in some cases a discontinuance of butter and said it should be of the first grade and we recommend the following amendment to of the process altogether. The factors favoring to secure ready sale. Turning to calves, he the act: That the full stock of any government this trouble appear to be medium acidity of advocated hand feeding three times a day on controlled creamery be fully subscribed, and cream (0.3 per cent. to 0.4 per cent.), low fat whole milk for three weeks, after which they that 50 per cent. of stock be paid up, and the content (below 25 per cent.), and heating only to

Mr. Hartlein expressed his faith in the profitable warrant commendation, and we do hereby which is the most easily changed. By the adnature of dairying, and advocated the fall calf. express our appreciation and confidence in their dition of an alkali, the acidity can be so reduced

sons when the producer could get the highest upon the following: 1, Cleanliness; 2, the use used for this purpose, sufficient being added to of the covered milk pail; 3, the advisability of the cream to bring the acidity down to .2 per skimming a 35 per cent. cream which lessens cent. The cream is then pasteurized, as usual, Speaking of the butter market, Mr. Wilson germ contents and propagation; 4, the uniform cooled to ripening temperature, a large starter said that there was nothing so objectionable adoption of cooling cream in cans placed in ice added, and acid allowed to develop to about .4

of milch cows and bulls of milch strain. He ture should be continuous until the cream is That in order to obtain a still higher standard urged on Mr. Motherwell and the department delivered at the creamery. Mr. Wilson also of excellence in the butter from Saskatchewan the necessity of considering the matter of assisting advocated a more frequent delivery to the cream-creameries, that all patrons carefully peruse the farmer in better stock-raising. It was not ery. He recommended the use of a thermome-bulletin No. 15, issued by the dairy branch the farmer in better stock-taising. It was not the taking of the matter ter. The use of the finger was an ancient method of the department of agriculture, explaining the best methods of handling and caring for

of the industry would lead to prosperity and The cows' udders should be washed before each cold storage should be established within the milking. Dust attaching to animals and the province, and that this matter be brought to the W. C. Paynton, of Tantallon; W. McCorkell, stable was largely contaminated with germ life. immediate attention of the government, with a F. E. Whiting, of Qu'Appelle; Wm. Schnell, of view to the establishment of same at an early

to the improvement of their present herds from L. A. Zufelt, the newly appointed dairy in- the standpoint of milk production, and to pro-

That in view of the success of this convention. The results of analyses of milk in different the delegates from the various creameries unpeas, was a mixture recommended. They should stages of souring was also gone into, and Mr. der government control, both from the stand-Zufelt concluded with an interesting statement point of education and the strengthening of The ensuing discussion showed that every of figures showing the great difference between the hand of the government in the good work they the fertility taken out of the land by ton quan- are doing in the development of the important The chairman, W. A. Wilson, dealt with the tities of wheat, cheese, beef, butter and milk, industry of dairying, it would be in the interest effect of the feeding on the make of butter in the last showing a ratio greatly below any other of all concerned if the holding of their convention were made an annual affair.

Supt. W. A. Wilson expressed his gratification at the enthusiasm shown throughout the entire proceedings. He begged the delegates to Following are some important resolutions carry that enthusiasm into the various districts. Those most in need of education would not attend That this convention heartily endorse the policy such meetings, and it lay with the delegates of the department of agriculture in judiciously to take that education to such people. He as-

Pasteurization is not without its drawbacks, In view of the fact that the government is and it is in trying to overcome these that several That the management of creameries under F.). Of these, the acidity appears to be the government supervision has been such as to most important, and is, moreover, the factor that trouble from curdling is no longer experi-That too great emphasis cannot be placed enced. Viscogen (succrate of lime) has been per cent.. when the cream is cooled for churning.



SOME OF THE ENTHUSIASTS WHO ATTENDED SASKATCHEWAN'S FIRST DAIRY CONVENTION HELD AT SASKATOON RECENTLY

FIELD NOTES

Sheepmen's Proposals

At the annual meeting of the Alberta Sheep Breeders' Association the following resolution was passed:
Whereas the flockmasters of Canada have, since
the imposition of the Dingley Tariff in the United
States, been unable to dispose of their wool at remunerative prices, the average value of raw wool in Canada being generally little more than one-half its selling value on United States farms and ranches,

and
Whereas millions of pounds of wool are annually imported into Canada, which could easily under more encourageing economic conditions be produced on the ranges of Alberta and Saskatchewan;

Therefore, be it resolved, that the Alberta Sheep Breeders' Association, in meeting assembled, respectfully beg to impress on the Dominion authorities the necessity which exists for applying the spirit of the Customs Act, by providing a duty on wool entering Canada of classes which are produced in It is hoped to have this work done before July 1. the country and to collect duty on wool as provided

such are now produced in large quantities in the

wool rags should be subject to an import duty of ten cents per pound and shoddy twenty-five cents per pound, and

That the present faulty and antiquated classification of wools in the Customs Act be revised and

Roads Kept by Split-log Drag

Contestants in the split-log drag competition have sent to the secretary, G. F. Bentley, detailed descriptions of the stretch of roads to be kept in condition this summer by means of this inexpensive implement. Indications are that a clear demonstration of the merits of drags in keeping clay roads in good condition will be given.

The location of the one-mile roads to be mainoffered by Wm. Harvey and The FARMER'S AD-VOCATE are :

Assiniboia-Ward 1: Lots 69 to 80, St. Charles, both inclusive on River Road (south)

Ward 2: From McCreary Road to the west side of lot 31, St. Charles, on River Road (south).
Ward 3: From lot 97 to 111, St. Charles, both in-

inclusive, on Portage Road. Rosser-On first Meridian, running along west side of section 24, 12, 1 W.

On Oak Point Road, starting from Sec. 1, 12, 1 E.,

15 and 16, 11, 4. Ward 3: Between sections 36, 11, 5 and 1, 12, 5 Ward 4: Between sections 9 and 10, 11, 6 E. Ward 5: Between sections 34, 10, 6 and sections

11, 6. St. Andrew's—Main highway, lots 1 to 10 Cloverdale road, section 32, 33, 13-4; sections 4,

Range Line, sections 19, 24, 14-4 14, 5. Selkirk and Clandeboye Road.

Changes at Ottawa

veloped more rapidly and steadily than in that crop being 26 per cent. above that harvested in 1909. relating to agriculture. The necessities of the Further it is noted that this crop is being extended situation require this, if the resources of the country are to keep pace with the tremendous demands south of the main line of the C. P. R. Scanty pre-of the times upon it, and if live-stock husbandry cipitation last season and a light snowfall resulted in and a host of special lines of farming are to be prose-a loss of about 30 per cent. of the area sown last fall. cuted with the greatest possible success. The An early spring followed by a number of severe Seed Branch, Cold Storage, Live Stock Branch, frosts contributed largely to this loss.

Agricultural Statistics, Market Division, Pedigree

Records, and the new International Institute of July has come through better than that sown later.

Agriculture organized in Italy Canada and other As this has also been true in roset years on increasing

* * * Agriculture, organized in Italy, Canada and other As this has also been true in past years, an increasing leading countries of the world, participating for number of farmers acting on this experience are enthe trustworthy collection and distribution of facts deavoring to finish their fall seeding at an earlier date in relation to the crops and food supplies of the than formerly. world, as affecting market prices—all these involve the distribution of information in the form of bulletins and reports. So great has this work become that it to the international boundary, will save large areas has been found necessary to create a new branch, of winter wheat that were beginning to fail. Doubthaving charge of publications in a systematic way, less, many fields in that part of the province which and the work of the International Institute. T. K. to-day are thin, will stool out and with a favorable of J. T. G. Whyte, and the third under W. Creighton. Deherty, for some years the capable private secretary to the Minister of Agriculture, Hon. Sydney Fisher, farmers should not decide hastily to re-seed fields who has been on the International Institute work of wheat that have been winter-killed. Experience Isos, will be chief officer of the new branch, with has shown that in this province under favorable configurations. Spender as chief editor of publications, ditions a return of from twenty to twenty-four it is expected that they will be required there for a work for which his averaging in again.

cultural journalism, as assistant in the Live-stock the loss during winter has amounted to even fifty Branch, and secretary and editor to the Royal Com- per cent. mission on Swine Husbandry, last year, qualifies him in a pre-eminent degree. This change will naturally deprive the Live Stock Branch, under Dr. Rutherford, of Mr. Spencer's services. The immediate needs portunity to prepare a large acreage and to sow early portunity to prepare a large acreage and to sow early this year. of this work are very great, and it is understood, in view of the increasing duties of Di. Rutherford, would be a very marked increase in the area devoted growing out of the meat-inspection service, the to spring wheat. It is not surprising, therefore, to Record Branch, etc., that a call was extended to find that a total of 488,183 acres has been seeded, Prof. H. S. Arkell, of Macdonald College, to assume an increase of 51 per cent. over 1909. the immediate direction of live-stock extension work in the department at Ottawa.

Elevator Commission

The commission appointed by the Manitoba government to superintend a line of government-owned elevators have met and plans are under way for action in the immediate future. Offices will be opened in Winnipeg. The intention is to visit various points in different parts of the province in order to ascertain what will best suit the needs of the grain producers. A staff of men, who understand elevators and elevator construction, will be employed to visit all parts of the province as quickly as possible. A series of questions bearing on grain production and marketing at each point will be answered, thus giving by law, which is not being done.

That in the opinion of this meeting, fine wools forthwith should be removed from the free list as over the province.

Already several requests for petitions have been received. Last Friday's mail brought seven. An attempt will be made to ascertain whether it is best to build, lease or buy.

Motor Competition

Winnipeg Industrial Exhibition were discussed last othy as from grain. week by those in charge of this attractive feature. Below is a tabulated estimate based upon the re-The judges, Prof. A. R. Greig, of Saskatoon, and turns from correspondents of the acreage in crop to Prof. L. J. Smith, of Manitoba Agricultural College, the various grains in the province in 1910, also met Manager Bell and Geo. H. Greig, the director in charge, and made arrangements regarding the staff of assistants needed, full requirements, hauling course, area for plowing, and other particulars.

The competition will begin July 12. Plowing will be done on Tuesday and Wednesday, July 19 and 20.

Arrangements are being made to take those interested in special trains to the plowing field. Indications are tained by the drag in each of the four municipalities that the contest will be even greater than those that have entered the competition for prize money formerly held. formerly held.

Dakota's Special Train

A two weeks' run in a special train to give encouragement to the improvement of agriculture, has been arranged between the Northern Pacific railway clusive, on Portage Road.

Ward 4: From lot 96 to lot 91, St. Charles, both circuit extends from June 6 to June 17. The equipment will include flat cars, on which types of farm machinery will be shown, and a baggage car, in which agricultural literature and exhibits of horticultural products will be exhibited. All phases of agricultural and horticultural operations will be discussed by and running one mile northwest.

On Oak Point Road, starting from Rosser Road to J. U. Taylor's east line, on Sec. 32, 11, 2 E.

Between section 4 and 5, 12, 2 E.

Springfield—Ward 1: Main Road, north of sections

Springfield—Ward 1: Main Road, north of sections and poultry. Arrangements also are under way to provide a day coach, in which special lectures in domestic economy will be given to ladies.

Alberta Crop Conditions

Crop Bulletin No. 7, issued by the statistics branch of the department of agriculture of Alberta, dated May 16, contains a digest of reports sent in by correspondents, dated May 1. Spring seeding has been acreage of new breaking than has been possible in

In no department of the Canadian Government, It is pointed out that a large percentage of the at Ottawa, have new lines of public service de- winter wheat wintered well, the area now under

werk for which his extended experience in agri- bushels per acre may be reaped from land on which some years

it was to be expected that prices being high, there

The increase in acreage sown to oats is not so marked as in the case of spring and winter wheat, being only 10 per per cent greater than that harvested in 1909. It must be borne in mind, however, that the area of last year was enormous, being 61 per cent. more than in 1908 and 126 per cent. greater than in 1907. The spring of 1909 proving backward, farmers sowed to oats much land that had been intended for spring wheat and this area was further unexpectedly increased by the re-seeding to oats of a proportion of those fields of fall-sown wheat that had been winter-killed. The present low prices of oats and the fact that a part of last year's crop is still in the farmers' hands, have also had an influence in keeping the acreage down.

The amount of land sown to barley shows an increase of 36 per cent. over 1907. The high prices secured for hogs and beef cattle for some time past have doubtless led to the setting aside of so liberal a proportion of land for the production of this useful feed grain.

INCREASE IN TIMOTHY An increase of 53 per cent. in the acreage of timothy shows a decision on the part of many farmers not to be dependent on the growing of grain alone and also to adopt a healthful rotation of crops. Prices for timothy hay in the larger towns have been good, and with a yield of two tons or more per acre, many Details of the motor contest to be held at the farmers find that they get as large returns from tim-

Below is a tabulated estimate based upon the re-

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Events of the Week

Sir Ernest Shackleton, the British Antartic explorer, is on a lecturing tour of the West.

The King's Plate was run at the Woodbine, Toronto, on May 24. Parmer, owned by Colonel J. S. Hendrie, winner; time, 212 2-5; distance, 11 miles.

It is announced that the Governor-General will start early in July on a trip to Hudson's Bay, following somewhat the line of proposed railway to the bay and coming back via Baffin Straits and the Atlantic.

Tornadoes and hail storms are reported to have done a good deal of damage in the Southwestern States, following frosts that are estimated to have damaged crops to the extent of half a billion dollars.

permanent commission will be appointed to deal with disputes between Canada and the United States on all matters effecting international waterways. The commission will consist of six members, three from each country

British Columbia fruit inspectors made a bonfire last week, destroying some thirty thousand insect and disease-laden trees from Ontario, United States, France, Belgium and Holland, part of one million trees shipped to British Columbia last winter.

The government of Alberta resigned last week, Chief Justice Sifton being called upon to form a ministry to succeed that of Hon. A. C. Rutherford. The resignation of the Rutherford government was due to disclosures in connection with the Alberta and Great Westerney Pulled and Great Westerney Pulled In the Alberta

A thorough survey of the forests along the pro posed line of the Hudson Bay railway will be made during the present summer. Three parties will be engaged in this work, one beginning at the Pas, Saskatchewan, one going in by the way of Norway House to Split Lake and the other going to Oxford House. The first party will be under the direction The two latter will be provisioned for a year and will

June 1, 1910

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ners were able to ar. With the ope and to sow early ; being high, there the area devoted sing, therefore, to has been seeded,

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to oats is not so and winter wheat, han that harvested nd, however, that being 61 per cent. nt. greater than in backward, farmhad been intended was further unexg to oats of a pron wheat that had low prices of oats year's crop is still ad an influence in

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ests along the pro-ilway will be made aree parties will be inning at the Pas, the way of Norway ner going to Oxford under the direction under the direction under W. Creighton. 1 for a year and will the summer of 1910. e arrangements will in the territory, as required there for

WEEKLY MARKET REVIEW

Wheat markets were weak and erratic. The pit at Chicago was the storm center of the wheat world, and a battle of the giants was on there. The market closed at Chicago on Saturday noon, with May 113c. lower than it closed on Monday. Winnipeg, May closed 3% cents lower than Monday's prices Every factor that could influence prices seemed favorable to lower prices. The growing crop in America was under almost ideal weather conditions. Patten, scenting danger ahead, was trying to get from under a long line which he had been quietly accumulating for some time, and continued large offerings from Russia had a tendency to make European buyers optimistic as to the outlook and indifferent buyers of wheat. It is difficult to see how wheat can buyers of wheat. It is difficult to see how wheat can gain any strength just at present. The crop that will be harvested in 1910 may not be over average proportions, but the seasonal bear moment is on, and t may be safely predicted that wheat prices will keep on the down grade from this time until something definite is known regarding the crop of this year's sowing.

GRAIN

Wheat values continued to decline all week. The opening was not strong but no serious slump oc-curred until Friday. It was a sort of black Friday for holders of wheat. Patten's corner crashed down and September prices dropped 4½ cents in Chicago, and 4 cents at Winnipeg in a few hours. It was one of the most excitable days seen in wheat markets for some time.

COLLAPSE OF THE PATTEN CORNER. James A. Patten and his associate got in wrong for once and it is probably that the millions' profit made by this speculator last May will be well nigh cleaned out when he squares up from the crash that follows the collapse of his September holdings.

Late in February and early in March of the present year, James A. Patten, after digesting reports he had received from his confidential agents in all parts of the United States, came to the conclusion that the wheat crop of 1910 was bound to be a failure partially. He began to buy wheat for delivery not later than September 30. He bought every thing he could lay his hands on. Patten bought every thing he could lay his hands on. Patten bought his wheat at prices ranging from \$1.01\frac{1}{2}\$ to \$1.07\frac{1}{2}\$. An average price probably would have been about \$1.05 per bushel. Patten bought and bought until his line of September wheat was estimated at 20,000,000 bushels. Armour, in the meantime, after carefully studying conditions had come to the conclusion that Jas. A. Patten for once had guessed incorrectly. He was satisfied in his own mind that the 1910 crop was not going to be a failure and decided upon a bear movement in September wheat. He sold "short" millions of bushels.

Then came reassuring reports about the wheat in a bad way; the foreign market was unsettled and there was no demand for wheat from the millers. Patten realized a few days ago that he was "in wrong."

He began quietly to throw overboard his least. He began quietly to throw overboard his long line of

On Thursday morning Armour's brokers went into the pit at Chicago under instructions to break the "Wheat King." Prices broke and then broke again. The pit was a howling, pushing, crowding mob of excited men. September wheat closed on Wednesday at 97½ cents a bushel. Thursday it closed at 93 cents, a decline of 4½ cents a bushel in one day. It is figured that Patten lost \$2,000,000 division by which added to the loss on wheat during the session, which, added to the loss on wheat sold previously, will nearly wipe out the profits of his tamous corner in the May option of 1909.

| | VISIBLE S | | |
|---------------|--------------|--------------|--------------|
| Canadian- | Last week. P | revious week | . Last year. |
| Wheat | 7,883,608 | 7,134,895 | 5,926,632 |
| Oats | 6,057,428 | 6,403,230 | 3,410,208 |
| Barley | 918,659 | 1,303,538 | 413,536 |
| American— | | | |
| Wheat | 22,029,000 | 22,871,000 | 22,420,000 |
| | WORLD'S SHI | PMENTS. | |
| America | 3,328,000 | 3,808,000 | 2,112,000 |
| Russia | 3,896,000 | 588,000 | 37,400 |
| Danube | 552,000 | 312,000 | 824,000 |
| India | 384,000 | 728,000 | 568,000 |
| Argentine | 992,000 | 1,312,000 | 1,360,000 |
| Australia | 864.000 | 264,000 | 784,000 |
| Chili, N. Afr | 32,000 | 40,000 | 216,000 |
| | | | |

year ago 43,560,000, increased 384,000. Corn 6,979,000, increased 671,000; year ago 17,250,000, in-

| | CLOSIN | G OPTIO | NS, WI | NNIPEG | | |
|--------------------------|------------------|------------------|------------------|------------------|------------------|--------|
| Wheat. | Mon. | Tues. | | . Thurs | Fri. | Sat |
| May | 921 | | 923 | 887 | 90 | |
| July | $92\frac{3}{4}$ | | 931 | 893 | 903 | |
| October | 891 | | | $86\frac{1}{2}$ | | |
| Oats | 008 | | 008 | 002 | 012 | 00 |
| May | $31\frac{7}{8}$ | | 311 | 301 | 303 | 30 |
| July | $32\frac{1}{2}$ | | $32\frac{3}{8}$ | 314 | | |
| October | $\frac{322}{33}$ | | $33\frac{1}{8}$ | 323 | 314 | |
| Flax. | 00 | | 008 | 024 | $32\frac{3}{8}$ | 32 |
| May | 176 | | 105 | 100 | 10= | 10* |
| July | 171 | | 185 | 190 | | 185 |
| October | 156 | | 183 | 190 | 185 | 160 |
| OCTOBEL | 1.00 | | $156\frac{1}{2}$ | 154 | 152 | 152 |
| Wheat. | M | CASH I | | 7701 | T3 - | 0 |
| Wo I Nor | Mon. | | Wed | | | |
| No. 1 Nor No. 2 Nor . | 92 | | $92\frac{1}{2}$ | $88\frac{1}{2}$ | 893 | |
| | 893 | | $90\frac{1}{8}$ | 861 | 871 | |
| No. 3 Nor . | $87\frac{1}{2}$ | | 88 \$ | 841 | $85\frac{3}{4}$ | 85 |
| Oats. | 0 1 2 | | 0.43 | 000 | | |
| No. 2 white | $31\frac{3}{4}$ | | 314 | $30\frac{3}{4}$ | $30\frac{1}{4}$ | |
| | AMER | ICAN WI | HEAT O | PTIONS | | |
| Chicago- | | | | | | |
| May | 108 | $107\frac{3}{4}$ | 1101 | 105 | $102\frac{1}{4}$ | 96 |
| July | 993 | 987 | 991 | 951 | 941 | |
| September. | 981 | 971 | $97\frac{1}{3}$ | | 921 | |
| Minneapolis- | | - 4 | 0.2 | | 0 = 2 | 0.1 |
| May | 1067 | 1071 | 108 | 1053 | 1033 | 101 |
| July | 1063 | $106\frac{2}{4}$ | 107 | 1041 | 1033 | |
| September. | 967 | 963 | 961 | 931 | 921 | |
| New York- | | 008 | 004 | 0 - 8 | 022 | 02 |
| May | | $110\frac{3}{4}$ | 1111 | 108 | $105\frac{1}{5}$ | 107 |
| July | | 1061 | 1065 | $102\frac{3}{4}$ | 1017 | 101 |
| September. | | 1025 | 1027 | 983 | 983 | |
| Duluth- | | 1028 | 1028 | 008 | 008 | |
| May | 1075 | 1071 | 1071 | 104% | 1041 | 103 |
| July | 1071 | $106\frac{3}{4}$ | $107\frac{1}{8}$ | 1041 | 1033 | 102 |
| September. | 975 | 971 | 971 | 933 | 933 | |
| Duluth fla | | 014 | or s | 004 | 008 | |
| May | 216 | 220 | 220 | 221 | 225 | 226 |
| September . | 1703 | 1713 | 170 | 167 | 168 | 168 |
| copremeer. | 1102 | LIVERP | | | 100 | 100 |
| No. 1 Nor . | | LIVERI | 1031 | 1033 | 1013 | |
| No. 2 Nor . | | | $100\frac{7}{8}$ | 102 | 995 | |
| No. 3 Nor | | | 983 | 995 | 965 | |
| May | | | 98 | 923 | $91\frac{5}{8}$ | |
| July | | | 931 | 935 | 917 | |
| October | | | $95\frac{1}{3}$ | 961 | 94 | |
| October | | | | 004 | | |
| | | LIVEST | OCK | | | |
| Deliveries | at Wi | nnipeg | were | light. | A11 | classe |
| 2001100 | | 1 0 | | 0 | | |

of stock were short, with quality averaging rather lower than the previous week. Hogs were scarce and the cattle trade is experiencing the usual seasonal phenomena of low supplies.

Active demand exists for hogs, and while packers

Then came reassuring reports about the wheat crop. It was not going to be a failure at all; in all probability it would be the biggest of the many big cross in the biggest of the country. Cash wheat was considered to the country. Cash wheat was considered to the country.

than this will be paid. Cattle receipts are at low ebb, this being the transi-tion season between stall-fed and grass-fed beef. Prices are at practically the same level, but based. on the quality of stock being traded in they are somewhat stronger than a week ago. Exporters are quoted at \$6.00 at Winnipeg, freight assumed. Butcher cattle of best quality would sell at this figure

Sheep and lamb trade is practically at a standstill. No worth mentioning stock is being received. Prices are unchanged.

Outside markets are little changed. At Toronto, grades at about last week's figures. At Chicago cattle are rated a trifle stronger in price and hog deliveries considerably below those of a week ago

It is time farmers made a closer study of the live stock situation that has developed in Western Canada during the past year or eighteen months, and made preparations to profit some from it. The country has been selling live stock, selling all the time without any serious effort being made to provide for future supplies. Breeding stocks have been reduced, both by sale for slaughter and sale to incomers, who require a cow or two to begin with. There are few farmers in the whole Western country who are in position to supply the market with as large quantities of beef at any price as they were On passage wheat 49,680,000, increased 104,000; supplying at a rather low price two or three years cars, \$9.90. ago. One needs only to look over the kind of stock being marketed at Winnipeg week after week to

979,000, increased 671,000; year ago 17,250,000, increased 2,844,000.

FOREIGN CROP CONDITIONS

Reports generally from Europe are favorable. In the United Kingdom the outlook is more favorably in the United Kingdom the outlook is more favorably in the United Kingdom the outlook is more favorably in the United Kingdom the outlook is more favorably in the United Kingdom the outlook is more favorably breed them to a beef bull. Cattle prices have adaptively and the united Kingdom the outlook is more favorably breed them to a beef bull. Cattle prices have adaptively breed to what promises to be a permanently breed.

Export steers, \$6.00 to \$7.25; butcher cattle, \$5.00 to \$7.50; bulls, \$5.50 to \$5.75; sheep, \$6.50; lambs, \$4.00 to \$8.00 each; hogs, \$9.50 to \$10.50. BRITISH

London: Canadian steers, 15c. to 15½c.; American, 15c. to 15½c.; Liverpool: Canadian steers, 14c. reviewed; weather conditions have improved. Sea- vanced to what promises to be a permanently higher sonable weather is reported in France. German level. Prices may go lower again, nothing is more outlook is mostly favorably regarded. In southeastern Europe winter wheat and spring crops are in excellent condition. In southwestern Europe producer of beef, of animals that carry meat in the outlook is not considered as favorable but in no quarter are conditions serious.

CHICAGO

Steers, \$6.25 to \$8.60; heifers, \$4.00 to \$7.00; cows, \$4 10 to \$6.65; bulls, \$4.00 to \$6.30; calves, \$4.15 to \$8.35; hogs, \$9.25 to \$9.55; sheep, \$5.35 to \$8.60; lambs, \$7.00 to \$8.75.

duction and a reasonable allowance for profit. Too much "she" stock is being sent to the shambles. Slaughtering some of it is a godsend to the country, for it gets out of the way lot of good-fornothing females which might otherwise become breeders, but heifers with any beefing quality should be kent on the farms. Good heifers command a be kept on the farms. Good heifers command a fairly long price in the market, but our surmise is that their produce will command a longer price three or four years from now. This country needs more good beef breeding stock. Keep the heifers of quality on the farm. They will sell for around six cents per pound at Winnipeg just now, but it is the short-sighted man only who sells when the whole is

the short-sighted man only who sells when the whole country apparently is going short.

All that has been said of cattle holds for hogs. Despite the most promising outlook ever enjoyed by the hog producer, as many brood sows seem to be coming to market as there ever were. Here is a point for the thoughtful producer to consider. High wheat prices are stimulating the sowing of a vastly increased acreage to this cereal; high live stock prices are not stimulating any profitable increase in production. It is the part of wisdom at this time to increase the number of breeding stock on Western farms. Live stock markets and live stock values are on a sounder basis now in Western Canada than they have ever been before. Wheat prices promise to decline.

MARKET QUOTATIONS Receipts of cattle for the past week were fairly liberal; quality fair to good; market steady this week on all classes of good-killing cattle; plain and medium, 15 to 25 cents lower. Hog receipts were fairly liberal; quality fair to good; market steady. Very few sheep or lambs are arriving. Calves are

| coming more freely. | | | |
|------------------------------------|--------|----|--------|
| Choice export steers freight as- | | | |
| sumed | \$5.75 | to | \$6.00 |
| Good export steers, freight as- | | | |
| sumed | 5.50 | to | 5.75 |
| Choice export heifers, freight as- | | | |
| sumed | 5.50 | to | 5.75 |
| Choice butcher steers and heifers, | | | |
| delivered | 5.50 | to | 6.00 |
| Good butcher cows and heifers | 4.50 | to | 5.00 |
| Medium mixed butcher cattle | 3.50 | to | 4.00 |
| Choice hogs | 10.25 | to | 10.75 |
| " lambs | 7.00 | to | 7.50 |
| " sheep | 6.50 | to | 7.00 |
| " calves | 5.50 | to | 6.00 |
| Medium calves | 4.00 | to | 4.50 |

| Med | lium calves | | | 4.00 to | 4.50 |
|-----|------------------|------------|------|---------|---------|
| | REPRE | SENTATIVI | EPUR | CHASES | |
| No. | Hogs. | | Ave. | Weight. | Price. |
| 426 | Medium hogs | | | 209 | \$10.75 |
| 207 | 11 11 | | | 207 | 10.70 |
| 48 | 1.1 | | | 221 | 10.65 |
| 26 | 4.6 | | | 188 | 10.50 |
| 6 | 11 11 | | | 228 | 10.50 |
| 1 | Heavy hog | | | 360 | 10.20 |
| 26 | Light Pigs | | | 96 | 9.75 |
| | Cattle. | | | | |
| 16 | Steers | | | 1236 | \$6.50 |
| 1 | Cow | | | 1300 | 6.00 |
| 6 | Cows. | | | 1137 | 5.50 |
| 1 | Cow | | | 975 | 5.00 |
| 2 | Cows | | | 1025 | 4.75 |
| 1 | Bull | | | 1925 | 5.75 |
| 1 | | | | 1625 | 5.25 |
| 2 | Bulls. | | | 1475 | 4.85 |
| 1 | Bull | | | 1600 | 4.50 |
| 1 | | | | 1550 | 3.50 |
| 10 | Cattle | | | 920 | 5.60 |
| 10 | Steers and cattl | e | | 1034 | 6.20 |
| 117 | 11 11 | 6.6 6.6 | | 1193 | 6.00 |
| 15 | 11 11 | | | 1006 | 5.75 |
| 23 | Calves | | | 173 | 6.40 |
| 9 | 44 | | | 114 | 6.00 |
| 24 | | | | 188 | 5.75 |
| 2 | | | | 100 | 5.00 |
| | Sheep | | | 89 | 5.75 |
| 8 | Lambs | | | 36 | 12.50 |
| | | TODONT | 0 | | |

TORONTO Export steers, \$6.50 to \$7.25; heifers, \$6.40 to \$6.60; cows and bulls, \$5.00 to \$6.00; butcher cattle \$5.25 to \$6.45; cows, \$5.00 to \$6.00; bulls, \$5.25 to \$5.75; calves, \$3.00 to \$9.00; feeders steers, \$6.00 to \$6.60; store cattle, \$3.40 to \$5.00; stock heifers, \$2.60 to \$5.25; sheep, \$4.00 to \$5.50; lambs (each), \$3.00 to \$6.50; hogs, fed and watered, \$9.65; off

MONTREAL

Export steers, \$6.00 to \$7.25; butcher cattle, \$5.00 to \$7.50; bulls, \$5.50 to \$5.75; sheep, \$6.50;

can, 15c. to 15½c.; Liverpool: Canadian steers, 14c. to 15c.; Canadian bacon, 13 13-14c. to 14 11-14c.

Home Tournal

People and Things the World Over

Woman's suffrage is making steady progress. Last month in Norway municipal suffrage was given to all women over twenty-five years old. Hitherto suffrage was limited to women who paid a considerable personal income tax.

The nest forwarded from Middlemiss, Ont., to Dr. C. F. Hodge, of Hodge University, Worcester, Mass., as a claimant for the \$1,000 reward offered for the first nest found of the wild or passenger pigeon, has turned out to be the nest of a mourning pigeon.

Mrs. Mary Goddard, who is said to be the oldest Quaker preacher in the world, celebrated on March 10th her 100th birthday at her home in Durham, Me. This is the first time in twenty odd years that she has been unable to preach on her birthday in the Friends' meeting house in Durham.

The Egyptian goddess, Neith, was found on the Bowery, New York, where she had been pawned for fifty cents. She disappeared from the Metropolitan Museum of Art the day before, greatly to the agitation of the authorities. The statuette is 9\frac4 inches tall, of great artistic merit, and worth about \$1,500. It dates from the seventh century B. C. It was taken back to the museum, and search started for the culprit who stole it.

The Orleans Farce Museum has just been enriched with a curious relic of the past which some workmen in making excavations in the city came across. It is a stone representing a grinning figure, showing the teeth, the countenance being repellant enough. In this way the loquacious woman, the scandalmonger, was brought to her senses. The stone, suspended by a chain, was placed round her neck, and so accoutred she was compelled to walk round the town in which she lived. The stone is supposed to date about the sixteenth century.

You are the Sufferers

" It is interfering with a man's personal liberty to say that he shall not drink this or that. A man has a right to drink what he pleases." It's an ancient argument—about the same age as the of Western Canada are just now having the drink traffic itself. It is a high-sounding argu- privilege of hearing the explorer tell in his modest, ment, too; those "personal liberty" words catch manly way how the great work was accomplished. us all, and make us feel as if we had been tamper. The splendid photographs made into lantern way a few paces ahead of Wild, who was leading ing with holy things if we have ranged ourselves slides provide circumstantial evidence of the the last Manchurian pony which was carrying on the other side of the dispute. But this veracity of his statements. morning I don't know. Last night the tenant The preparations for Sir Ernest Shackleton's on the floor above came home about midnight trib were not received with very much enthusiwith a large cargo of the draught that inebriates asm in England, and the "Nimrod" left amid and also cheers more or less. He stamped up the a depressing silence. But orders were received long narrow hall of his domicile with considerable to stop at Cowes, where the late King Edward noise; but it didn't satisfy him, and he clog- VII. and the Queen were staying. Both came danced down to the front door again and ran aboard the little vessel, and wished it good enough to bear the weight of the men; the lack. Then he sat down on a creaky bed with fortune, and Queen Alexandra presented the moment the pony trod on it, it gave way. an emphasis that made all the electric light fix- ship with a flag. The financial crisis of 1907 tures in that end of the block loosen in their made money difficult to obtain that year, and seekets. He sat down to cry audibly, and rose Sir Ernest put all his own money into the venup a few minutes later to laugh idiotically, ture and borrowed where he could, Something symmetric music, and he sang "Good- A departure from the usual procedure of polar lye, w. Paydell," with drunken pathos and exploration was to take no dogs on the trip as cree and homse's with bemaning the Dead March the low, drifting snow got into their eyes, but crevasse to these leafure tone by beating with Manchurian ponies were used instead. They The facts of the foot. At half-past three he dragged 750 pounds a day on ten pounds of food, that cost us the pole," concluded Sir Ernest, in West to sharp, but salence didn't reign by any Later they themselves were food for the party, telling the story

means for he snored rampantly. As a conse- The sleds were made of American hickory, quence. I had no sleep and have come down to 11 ft. long, 18 inches high, and 2½ feet between my desk in a disgruntled frame of mind, with only the runners. Sails were used when the wind brain power enough to complain in this paragraph. favored, which would increase the speed very You who are unfortunate enough to read it con- perceptibly. A novel feature was the fifteen scientiously will undoubtedly be bored, and if horsepower motor car. you are you can lay all the blame upon the Four men formed the company which made liquor traffic and the desire not to interfere with the South polar journey-Shackleton, Adams, the man-on-the-next-floor's "personal liberty" Marshall and Wild-four men of unusual stamto make as much noise in the night as he pleases. ina and tried endurance. The first unprecedented

Shackleton and the South Pole

close approach to the South Pole is almost ab- seemed to become greater with each furlong sent, and in marked contrast to the North Pole traversed. controversy. Interest in Sir Ernest Shackleton is confined purely to what he has accomplished, often escaping freezing only by placing their and there has never been doubt or aspersion cast feet in each other's breast, these men endured upon his discovery. The larger towns and cities sufferings truly awful. When they reached 88 de-

THE GOOD GREAT MAN

How seldom, friend, a good great man inherits

Honor and wealth, with all his worth and pains!

It seems a story from the world of spirits

When any man obtains that which he merits.

Or any merits that which he obtains. For shame, my friend, renounce this idle strain!

What wouldst thou have a good great man obtain?

Wealth, title, dignity, a golden chain, Or heap of corses which his sword hath

slain? Goodness and greatness are not means,

but ends, Hath he not always treasures, always friends,

The good great man? Three treasures -love and light,

And calm thoughts equable as infant's breath:

And three fast friends, more sure than day or night-Himself, his Maker and the angel

Death.

-COLERIDGE.

achievement of the expedition was the beating of all previous southings when it reached latitude 82 degrees 18.5 south. The journey thence The personal element in connection with the was fraught with dangers and hardships which

Affected by mountain sickness, half-starved, grees, 23 minutes south, 162 degrees east, a storm broke, and further advance became humanly unthinkable through loss of food supplies, the circumstances of which are described below, although there was no break in the dead white snow plains towards the South Pole, ninety-seven miles distant.

The outward journey had been difficult and arduous, but the homeward journey was a race for very life. At times the men fell exhausted in their harness and dysentry added its horrors through unfit pony meat - to the dangers of broken sledges, sharp-pointed ice, dangerous crevasses where a wrong step meant death, and indescribable blizzards. At one time Shackleton went back over sixty-seven weary miles to ensure the safety of some of his men whom he had outdistanced.

The scientific value of the location of the South magnetic pole is very great. Its approach involved an exhausting and dangerous journey in which Professors David, Mawson and Mackay participated. The pole was located at 72 degrees 25 minutes south latitude, 155 degrees 16 minutes east longitude.

Seventeen days it took them to reach the sea again where they had left their food stores. They found the ocean open and their food gone. Only the seal and penguin they were fortunate enough to find, saved them from starvation and still more fortunate were they to be themselves found and rescued by the Nimrod a few days later.

One incident remains to be recorded before closing this brief sketch, as showing how danger lurked unseen along the path of the adventurous explorer. It was when approaching the southernmost point reached that it happened. Shackleton, Marshall and Adams were making their the food supply of the party.

Suddenly Wild heard a sound of rushing wind close behind him; the rope by which he was leading the pony, slipped out of his hand; he turned round—there was no pony to be seen. They had passed over a crevasse covered by a layer of snow. This layer had been just thick

When Wild and the rest looked down into the crevasse, they saw an abysmal depth, but they could not see the bottom.

It was a miraculous escape, especially for Marshall. Had he had a firmer hold on the rope, he must inevitably have been dragged into the

With the pony went the food supplies, "and

SERVANT OF ALL

Whosoever would become great among you, shall be your minister; and whosoever would be first among you, shall be servant of all.—S. Mark x.: 43, 44. (R. V.)

It is the weight of self that overpowers. Take up another's load, it carries ours. struments. More than 150 dead or in-FREDERICK LANGBRIDGE.

The text given above is a strong statement of the foundation of Christianity The marginal rendering is even stronger:
"Whosoever would become great among you, shall be your servant; and whosoever would be first among you shall be bondservant (slave) of all." I say it states the foundation of Christianity, for our Lord and Master proved Himself to be Greatest of all, by serving More and more we are learning the strange truth, that to achieve real greatness is not to be served by many. but to pour out life generously and gloriously in service.

This does not mean that we should copy the famous "old man with the to please everybody. He did not succeed in pleasing anyone—you may re- the dead. All communication by post member—and the people who make "popularity" their aim are certainly fifteen telegraph operators who had not "great," though they may try to been brave enough to remain, were dead. achieve greatness by being servant of all. The motive which inspires any action makes it great or petty, and if left. Would another operator volunteer the motive be only to win pleasure or profit for one's self, the action is selfish

and mean. Now, I am not trying to please every-Corner changed into a correspondence column. Thinking that you might be growing tired of my weekly chats, I have lately given more room to correspondents. But there appears to be a general dissatisfaction, so I shall resume my old habits and keep the floor myself—for the most part—thanking those who have written so many letters on of that terrible time is forgotten by various subjects. It is impossible to God. answer all of these by personal letters, so silence concerning them is no proof that they have failed to reach me.

But all this is straying from our main point—greatness won through service. In the general upset of housecleaning, graph Key," attracted my attention, was and is our Master—can we desire a school. and it is a striking commentary on our nobler duty than His?

text from a modern standpoint.

ing that between them and sudden death which attract so much attention. Most as they are, and as they might be. mg that between them and sudden death was the thickness of a tarpaulin. Their faces showed the almost superhuman strain of concentrating their minds on the work in hand; but not a man deserted his key. On bared nerves they worked for the pervisor of the services of the more than a captain may desert his ship or an engineer leap from his locomotive before it is needless suicide the last. Each year brings them nearer to remain.

duty. The highest reward anyone can receive is the Master's commendation: Well done, good and faithful servant. One of the heroes described in the article before me is Frank Shaley. He was a telegraph lineman and was in the baggage car of a train which was wreckce vears ago, out in the West. He nt, clutching his satchel of in-

Hope's Quiet Hour

jured people were lying there. The next train would not arrive for five hours—could nothing be done for the sufferers until then? Shaley was dying from his injuries, but he was the only man there who knew how to "cut in on the telegraph." He was hoisted up, made his connections, and sent his mes-"Number 17 terribly wrecked forty miles west of Cheyenne. hospital train.'

and nurses, Shaley had been called to

Another hero described in this article is Edward V. Wedin. In the South, the awful epidemic called "Yellow Jack" was raging. There was a mad scramble out of the infected district, only the and waste precious time in trying bravest remaining to face almost certain death in nursing the sick and burying was stopped, and eleven out of the Messages, pleading for help or asking for news, piled up on the four who were to go deliberately into that city of death? E. V. Wedin responded to the call for volunteers. When he reached the telegraph office in New Orleans, body, but still I shall take the advice "he sent more than 500 messages at his showered on me lately by many of our first sitting. Food and drink were readers, who object to having our brought him, and he ate with one hand and worked with the other

worked until his arm was as if paralyzed to the elbow, and he fell forward on his key fast asleep." He worked on, day after day, while other volunteers came and died. He says he is most famed only because he escaped unharmed. But not one of the heroes

I should like to tell you more about these, and the other "heroes of the telegraph" described at length in the magazine-but space forbids.

body's Magazine came to light—not costs. Let us be inspired by their extended in that district, and taxes are levied less severe. By a determined refusal An article, called "Heroes of the Tele-

But when we read about heroes, we The telegraph operators described in are impressed with the romance of their or twice a year. it were "great," because their faith- doings, and perhaps our own work. As for the sch raging overhead, and water was pouring in streams through the ceiling, flooding the floor six inches deep. If water got on the dynamos in a corner of the room, the men would have been instably beside us? How can we had careless and formers held mention and the dynamos in a corner of the room, the men would have been instably beside us? How can we had careless and formers held mention and stock. The

mackintoshes, or under umbrellas, know- than with the deeds of dazzling heroism

they

Who stand continually before His

My King! is mine such blessedness to-recognize the need of frequent inspecday?"

DORA FARNCOMB.

PEACE

(Written for The Farmer's Advocate.) If all our lives flowed on in even meas-

the blue,

true.

Before the train arrived, with doctors If all hope's sea was calm, still, and two summers. No pruning should be untroubled,

If every wave came rippling to the harbor-

If we ne'er wearied of the noise of babel, The din of strife, that must be here, to cease.

We ne'er should gather more than half the meaning

vou Peace S. N. Dodds.

PUBLIC SCHOOLS

It often seems as though the children can be easily obtained were raised and educated for the sole purpose of raising more and better on the grounds, some other adequate stock, and more wheat and oats and arrangement for a constant supply of

teachers and our educational depart- dugout pond every Monday morning, ment. Nearly all our papers and maga- stand this barrel of impure water in a zines devote from one column to one porch where the hot sun beat down on page to the discussion of education, or it through a door opening to the south, to the rearing of children in the home. and expect that water to be fit for The schools themselves are often written thirsty children all that week. Before about, especially by the women. Once the summer was out the pond from ne—but space forbids.

The world is full of heroes—men and each neighborhood, or school district, with a green slime. In August, typhoid women who are doing their duty at al lone meeting is held each year to discuss fever was prevalent in the district.

fulness as servants of the public was seems prosaic in contrast with their ex- is allowed to coax some good-natured the pond became so bitter that bread magnificent. First is given a description of 800 men sitting shoulder to the shoulder, high up in a New York "skyand commonplace" which I have been the grounds. As the teachers move shoulder, high up in a New York "skyand commonplace" which I have been the grounds. As the teachers move the grounds and commonplace to place little or no be possible to arrange a cistern in which the high privilege of permanent work is done toward beautiful to the public was seeins prosate in contrast with danger and death. Young man into plowing a garden for made with it was not eatable.

In such a district as the above it is hard to tell what to do, but it might be possible to arrange a cistern in which

on the dynamos in a corner of the room, How can we find life dull when He is tention paid to grain and stock. The cleaned and purified the men would have been instantly beside us? How can we be careless and farmers hold meetings all the way from Another school di electrocuted. "But not for an instant did the jingling keys cease; for to quit at this, the busiest hour of the night, would have snarled the company into a beside us: How can we be careless and local institutes to huge grain growers' school district placed their hought good water meetings. All the papers are full of it. Everybody knows about it; and all this well was dug the water was there a plenty but there are other pleased to huge grain growers' school district placed their school district placed th electrocuted. "But not for an instant slothful in our service when He has local institutes to huge grain growers'

worked, for the honor of the service strong and noble in quiet, everyday the school is situated on a low-lying some of the scholars to carry a pail of wherein it is admitted that man born of woman may blunder, but wherein, too, is an unwritten law that in time of spirit in the sight of God! The joy of Sometimes no attempt is made to dig peril no man may desert his post, any loyal servants, working with and for a well. Sometimes the location is such

be built on the school grounds—but their part. Such a well dug in the here the matter often ends, and I have barnyard of any one of them, would long ous heroism is simple faithfulness to "Oh, happy are His servants! happy known a lady teacher to be compelled mended, or put back on their hinges, and to have cleaning and disinfecting This certainly is not as it should

tion and repairing of the school privies. Even the schools that have good fences built about their grounds, are

absolutely without shade trees, unless they happen to be built in a valley. Anyone who has watched the children enjoying the shade of natural groves of trees, should understand how much comfort and pleasure might be given them by trees planted in the grounds.
Single trees, planted here and there

along the fence, add to the bareness of the school grounds. They do not grow well, or afford shade or shelter.

Instead of this a strip a rod wide should be plowed and well worked up, If clouds ne'er drew their curtain o'er all around the school grounds. Quickgrowing, hardy trees, mixed with lilacs, We should be satisfied with earthly caraganas, and Tartarian honeysuckles treasure, should be planted three feet apart all We should not rise to all the good and over this strip of ground. The trustees should see that these trees receive cultivation at least twice a year during done.

The whole cost of the work of plowstrand, ing, discing, planting and cultivating We should not seek for refuge in the for two seasons would not amount to more than fifty dollars. After that the Breakers of trouble toss us to the trees might safely be left to themselves, as long as they were properly fenced and no horses were allowed near them.

The trees would add much to the appearance of the grounds. would shelter the school from severe winds, and thus save discomfort and The children would take untold Of God's best promise, "I will give comfort amongst the trees during play hours, and in the course of time value of them would be inestimable to the whole neighborhood.

In locating a school care should be taken to have the grounds well drained Which is of most importance to the and well away from any swampy, people of the West, our children, or stagnant lands. If possible the site should be such that good spring water

Failing the possibility of a good well This may seem like a serious fresh pure water should be made. In charge to lay against our people, but some cases no good wells can be found let us see how it can be sustained.

some cases no good wells can be found in the school district. I have known let us see how it can be sustained. in the school district. I have known We have a school law. We have our trustees to fill an open barrel from a adequate to the supposed needs of the school.

to taste anything but boiled water the teacher escaped the fever. She even Perhaps the trustees hire a man or a succeeded in persuading the trustees woman to clean the school house once to have water brought from the only spring well in the district, but she could As for the school grounds, the teacher not accomplish this until the water in

scraper." They worked their telegraph trying for years to contradict. We are about from place to place fittle of no be possible to arrange a cisteri in which scraper." They worked their telegraph trying for years to contradict. We are about from place to place fittle of no be possible to arrange a cisteri in which instruments steadily, though a fire was servants, with the high privilege of permanent work is done toward beau- a fairly pure supply of rainwater could instruments steadily, though a fire was servants, with the high privilege of the grounds. Even ordinary be gathered from the roof of the schoolhouse. Such a cistern would need to be It is needless to recount all the at- carefully looked after, and frequently

Another school district placed their would have snarled the company into a tangle which it would require days to unravel. For an hour the men sat in many who are unnoticed by the world, attention.

Let us first look at the school grounds with the deeds of dazzling heroism than with the deeds of dazzling heroism.

Let us first look at the school grounds well was dug. It still remains there. The water is so bad that the children water from the nearest well, which is quite a long distance from the school. It is probable that a well dug in another corner of the grounds would furnish good water; but the trustees have quite neglected to try any such measures. They doubtless think they have done ago have been filled up, as being dangerous to the health of the farm animals.

> I think school inspectors should inface.
>
> Ready to do His will of wisest grace! be. This certainly is not as it should sist on a supply of pure water in our schools, if the health of the country is sist on a supply of pure water in our of any importance whatever.

Yours truly,

BRENDA E. NEVILLE.

erican hickory, 2½ feet between when the wind the speed very was the fifteen ny which made

kleton, Adams, of unusual stamst unprecedented was the beating reached latitude journey thence hardships which h each furlong ss, half-starved,

y placing their se men endured ey reached 88 dedegrees east, a nce became huof food supplies, e described beeak in the dead he South Pole,

en difficult and irney was a race en fell exhausted ded its horrorsthe dangers of ice, dangerous neant death, and time Shackleton

ien whom he had tion of the South Its approach ingerous journey in on and Mackay ocated at 72 de-

e, 155 degrees 16

ary miles to en-

to reach the sea ood stores. They food gone. Only fortunate enough rvation and still themselves found w days later.

recorded before wing how danger f the adventurous aching the southippened. Shackere making their who was leading ich was carrying

d of rushing wind by which he was of his hand; he pony to be seen. isse covered by a d been just thick of the men; the gave way.

ooked down into ysmal depth, but be, especially for

r hold on the rope, dragged into the od supplies, "and

ded Sir Ernest, in

"Self-reverence, self-knowledge, self-control--these three alone lead life to sovereign power"

NO OCCUPATION

he acse before daylight made crimson the east

For duties that never diminished, And never the sun when he sank in the

Looked down upon work that was finished.

She cooked an unending procession of meals,

Preserving and canning and baking. She swept and she dusted, she washed and she scrubbed

With never a rest from it taking.

A family of children she brought in the world

And raised them and trained them and taught them, She made all the clothes, and patched,

mended and darned Till miracles seemed to have wrought

She watched by the bedside of sickness

and pain, Her hand cooled the raging of fever, She carpentered, painted, upholstered and scraped.

And worked just as hard as a beaver.

And yet as a lady of leisure, it seems, The government looks on her station; For now by the rules of the census report It enters her: "No occupation.

McLandburgh Wilson, in New

A GREETING FROM CHRYSAN-THEMUM

Dear Dame Durden:—I hope I shall not be too late to have this letter appear in June. The weather has been so nice, only for the very high winds. My chrysanthemum died after all my trouble. I think a worm got into the

Could someone please tell me how to make rhubarb jelly? I will try to come again before long.

CHRYSANTHEMUM. (Perhaps some of our members who have been successful in growing your favorite flower will be able to give you some advice about it. Will put rhubarb recipes in next issue.—D.D.)

'Standing with reluctant feet, Where the brook and river meet. Womanhood and childhood fleet!"

A GIRL THAT CAN BAKE BREAD

Dear Dame Durden:-I am afraid I am tardy to-day, and I did so want to be there in time to answer to my name with the other girls. It was a good monitor that made you think of giving us a day to ourselves. Just the young girls alone ought to make a good day, because they haven't the cares of families and the worry mothers have.

wonder if it will be all right if I tell how I make bread? It's a good thing to know, don't you think?

First of all, I make a good yeast with potatoes (using the water they were boiled in when I can) by adding a distablespoonsful of sugar to about a quart of the other mixture, mashed potatoes and water. This I let stand all day or over night, as the case may be, and but then it is levely if I leap it into a let inviting an the young girls to nave a reunion, so I will try and answer the roll-call, although I hope the older members will not feel offended, as I do like to read their good, helpful letters. by then it is lovely if I keep it just at

the right temperature.

water or milk and six querts of warm. Canada, by Agnes Laut and Agnes brought a good-sized fortune and lost well-sifted flour, a handful of selt and Deans Cameron. Try some of George it all by staking our money on a farm, mix thoroughly. I have a regular bread. Eliot's books, too. These are all We had the first year's crop frozen and.

This is such a lovely bright morning,

The Ingle Nook

utes I put it on the breadboard and spun out to greater length than your and friendly recollections of those cut into the desired sized loaves, using letter.—D.D.)

no flour to handle. Then I set the

* * *

M. C. R. called Ruscom. Do you loaves to come up again for about twenty to thirty minutes in a warm place. Then I bake if for a little over an hour in a hot oven, spreading a little butter or cream over the tops of the loaves before baking. The result is beautiful white bread with golden tops. It doesn't last long, so I know they like I handle the dough the least I can.

Well, I must close, hoping the experienced mothers won't make me feel seventeen last month.

A PRAIRJE MAIDEN.

mixer so I get the big, strong men or women writers and all Canadians exboys to turn it for me when I can. If cept George Eliot, and I think it does this is too dry add a very little more girls good and makes them more ready warm water, and if too wet, just enough for the full citizenship they are going flour to make it desirable to handle to have before many years, to know written for some time perhaps your enwithout flow when moulding, and set what the women of our own land can do. quiry will set her to thinking about us. over night to rise. When it is up well I'm apt to forget space when I start I taught in Essex county for three I turn it down again and in a few min-talking about books and this reply has years myself, and keep very pleasant

> She was good as she was fair. None-none on earth above her! As pure in thought as angels are; To know her was to love her."

AN AUTO TRIP

Dear Dame Durden:-I noticed in the April 27th number that you were asking all your girl members to write, so as I am writing letters to-day, I will too uncomfortable, for I just turned drop you a few lines. I was very much pleased to see my first letter in print.

I have also gained some nice correspondents through your much-valued (I think you are fine and brave to paper, but have not yet received the undertake such heavy responsibilities poem, "The Silver Cross." Would Dame

the second hailed out and expenses extremely high. We had a crop last year and it encouraged us to stay a while

We came from Essex county, On-Are there any of the members from there? The prairie seemed a bit devastated after living in such a beautiful place.

(I only know of one member who came from Essex county, and as she hasn't taught in Essex county for three years. I was in a little village on the M. C. R. called Ruscom. Do you know it at all? You would miss the orchards and the woods. Come again, and bring your friend along next time. —D. D.)

"And Enid brought sweet cakes to make them cheer.

And then, because their hall must also For kitchen, boil'd the flesh, and spread

the board, And stood behind and waited on the three.

And seeing her so sweet and service-

Geraint had longing in him evermore To stoop and kiss the tender little thumb, That crost the trencher as she laid it

down." WHAT WILL TAKE OUT BUTTER COLOR?

Dear Dame Durden:—As I have been a silent reader of the Ingle Nook for nearly two years and enjoy it fine, I now come for help. Could Dame Durden or any of the members of the Nook tell me how to remove butter color from

How many of the Nookers have their gardens all in? I have mine nearly all in, except some of the real tender ones such as the vines. Gardening isn't a very pleasant work this spring, as it is such windy weather. The dust flies

I have learned a lot on turkey-raising in the Nook the last few weeks. This is my first year with turkeys. I think I had better draw to a close as my letter is getting long. I am sending a recipe for dressing lettuce, thinking perhaps someone would like it: One-third and do it cheerfully. Plenty of girls Durden please be kind enough to send cup vinegar, two-thirds cup water, onewould do as you have done but would me a copy? I would be very thankful. half cup sugar, one and one-half teamake the sacrifice complainingly and Last week we took a trip up West spoon mustard. Boil together; take it thickens and when cold add sweet I do not think I mentioned in my cream to desired thickness.

A FARMER'S DAUGHTER.

seventeen summers. Black were her eyes as the berry that

grows on the thorn by the wayside. Black, yet how softly they gleamed beneath the brown shade of her

tresses. Sweet was her breath as the breath of kine when they feed in the meadows."

ON THE SHORES OF DAUPHIN LAKE

Dear Dame Durden:-I see solved yeast cake and about three are inviting all the young girls to have

A BOOK LOVER

To thine ownself be true,

man.

I suppose most of you have your gardens in. We have most of ours in; some of it is up, but it is pretty cold

rises to about double the amount it is teady for use.

A Western Maiden.

I mix very large batches of bread, but we are such breadcaters. If I use sponge, I use it all, but if I use yeast I use a little over a pint at a mixing. Try, for a change of mental diet, "Sowing but I have good bread with sponge mentioned above, I use a little or than the sponge mentioned above, I use a little or than three pints of lakewarm water or milk and six quarts of warm (You will weary of the Elsie and I mix very large batches of bread.

A Western Maiden.

For my part, in the morning I wear a little waist with an old black skirt; while in the afternoon I wear, a white waist. I think it saves labor, and the other folks of the family can stand seeing you like that, because they know of the dirty work you have to do.

Chance," by Nellie L. McClung, "Carsing and the other folks of the family can stand seeing you like that, because they know of the dirty work you have to do.

I am beginning to get used to farming to work you have to do.

I am beginning to get used to farming to work you have to do.

I am beginning to get used to farming to work you have to do.

I am beginning to get used to farming to work the dirty work you have to do.

I am beginning to get used to farming to work the dirty work you have to do.

I am beginning to get used to farming to work the dirty work you have to do.

I am beginning to get used to farming to work the dirty work you have to do.

I am beginning to get used to farming the ward to do white I'm sure. I'm stand the other folks of the family can stand seeing you like that, because they work you have to do.

I am beginning to get used to farming the ward to do whether the waist with an old black skirt; while in the

grudgingly. But a good mother is in our auto and we had a splendid time. off and let cool, then beat up two eggs worth a lot of cheerful giving up, isn't We went as far as Tilston, passing Find- and add when cold. Stir over fire till she? There were very few mistakes to lay, Pipestone and Reston. be corrected in your letter. Come when-ever you can.—D.D.)

last letter that my father keeps a large herd of Shetland ponies. We already * * * have six little colts, and they are the "Fair was she to behold, that maiden of And it must follow as the night the day cutest things imaginable. Thou canst not then be false to any Ingle Nook. I am I will close with best wishes to the

> (Am sending The Silver Cross, for which you sent stamped envelope and hope it will reach you safely.—D.D.)

To know her beauty might half undo it."

TWO DISCOURAGING YEARS

but by no means hot place. When it older members writing, too, but I suprises to about double the amount it is pose they are all busy nowadays.

A WESTERN MAIDEN.

A WESTERN MAIDEN.

For my part, in the morning I wear a interests them.

INTERESTED IN EVERYTHING

Dear Dame Durden:—I'm sure, Dame Another start is made by putting a pint of lukewarm water in a vessel and adding enough flour to make it spongy. To this must be added a teacup of yeast or a dissolved yeast cake and about the same amount of sugar as with yeast. This I let stand over night or seven or eight hours in the day time in a warm but by no means hot place. When it

power"

June 1, 1910

expenses excrop last year stay a while

county, Onthe members ie seemed a ng in such a

LENORA. iber who came as she hasn't haps your ening about us. ity for three very pleasant village on the om. Do you ould miss the Come again, ng next time

cakes to make

hall must also

sh, and spread

waited on the

t and service-

him evermore tender little

as she laid it

UT BUTTER

As I have been igle Nook for ld Dame Durs of the Nook ter color from

ers have their nine nearly all al tender ones urdening isn't spring, as it The dust flies

turkey-raising weeks. This keys. I think close as my am sending a thinking perit: One-third up water, oneone-half teaogether; take t up two eggs r over fire till old add sweet

DAUGHTER.

that maiden of the berry that n by the way-

they gleamed 1 shade of her

the breath of feed in the

ERYTHING

'm sure, Dame ot mind if my this time. elf on the plea a pretty fairand you know t of chat once e no fear that lack any chat, together they anything that

know on which 'm sure. I'm things, that I them to-day, est of our girls es. Really ly hobbies that ing to-day to e a lot of girl ure we all find

right morning,

"Her voice was ever soft, gentle and low---an excellent thing in woman"

the little birds are fairly bursting then in very not water, and alcohol equal parts. yard in the country. throats in the trees. Can one feel any-wintergreen and alcohol equal parts. yard in the country. Well, I hope to be able to send somepresence seems very near, when we look presence seems very hear, when we now about us and behold the beauties of 'by scraping the nail all along the middle nature he has so generously bestowed until it is very thin. A better cure is upon us. How thankful we ought to eit might always be thanksgiving be; it might always be thanksgiving be thanksgiving be nails may be relieved thing next time that will help.

(Lack of space is the chief reason for any use the notes and print would need to be greatly enjoyed.

(Lack of space is the chief reason for any use the notes and print would need to be greatly enjoyed.

(Example 1 our paper. To be any use the notes and print would need to be greatly enjoyed. day in our hearts.

I might say a word about our flower and it has never troubled since. afraid, but how I do love the flowers. made a few inches longer.

see them blossoming everywhere by our roadsides in the fields, although probably most of our Manitoba fields are so well tilled as to forbid the flowers there. Yet there are plenty elsewhere we may have them for the plucking. What a nice old world it is!

I think this is all for this time, Dame Durden, hoping the girls will respond to your kind request, I am ever, sincerely yours.

SEVENTEEN. (It was good of you to write a second letter so promptly in response to my call, but we're sure you wouldn't want to stay out when the girls were rallying. How do you like the look of the page today?—D. D.)

AN OFFER TO A SINGING GIRL

My Dear Dame Durden:-What a number of girls belong to the Ingle Nook! I was indeed surprised to find the list so long. We must be a large

Here it is the nineteenth of the month and you requested all letters to be in by the twenty-first—as usual, I am late. Mother says that procrastination is my

Would one of the girls, who is fond of music, care for some songs? I have several, of the popular music of-the-day kind, that I should be glad to send to They are sent to me through a music club, and, sad to relate, I do not sing, so they are lying here unused. I am very fond of music, but have neglected mine fearfully since coming West. The people, who come to our house, do not care for the class of music I was taught and I have come. of music I was taught, and I have gradually lost all but two or three of the lightest pieces. It is a pity, I know, and I make brave resolutions to pick it up again, but some way I never do This winter, while away amongst people who knew and cared for good music I felt greatly ashamed, for my lack of practice was very evident and I came home filled with a wild desire to retrieve myself. So far, however, I have not been able to settle down to scales and finger exercises, but mean to before I go abroad again, that when am asked to play I may sit down at the piano with confidence.

have written you, has been prefaced with an apology, dear Dame Durden, and, although I owe you one, I mean to make the latter of a good player on a piano or almost any musical instrument. Music seems to lift one's thoughts above this earth. It seems to bring out a person's inner soul, the best to make this letter conspicuous by its your many helpful suggestions regardng my winter duds, and hope you will forgive this very careless chatterer.

HELPFUL HEALTH HINTS

MADELEINE.

In answer to the roll- out in the country. cup of soft water. Put a drop or two would be delightful to have some of our in the eye and bathe often with it good old corper pointed with it good old corper pointed with it. flamed eyes is boracic acid, dissolved in is likely I could have been a better playin the eye and bathe often with it. good old songs printed with the music Harlem oil is also very good for weak in our corner? I think some kind of strengthens the eye.

Reading is another one of the many wing out of hot water, and put in a of the chatterers agree with me.

steamer. Have two, one warming I have lived on the farm about half while the other is in use. They may my lifetime, so have some idea of country and I believe two, that we can get lots of splendid too, that we can get lots of splendid too, that we can get lots of splendid too. be used as hot as needed without burning the hands with the wringing. When stopping the use of them have ready a woollen cloth, dry and real hot from the oven, to put on the parts. It feels so good.

For neuralgia and rheumatism, bathe suited the first of the characteristic seems to me it is so that we can get lots of splendid the country life as well as city, and I believe to try life as well as city, and I believe to try life as well as city, and I believe to try life as well as city, and I believe to try life as well as city, and I believe to try life as well as city, and I believe to try life as well as city, and I believe to the flowers and birds so well.

Could any of the chatterers help me in fixing a flower bed? I hardly know when I get nicely into them. I think when I get nicely into them. I think when I get nicely into them. I think when I get nicely into them. I bare to try life as well as city, and I believe to try life as well as city, and I believe to try life as well as city, and I believe to try life as well as city, and I believe to try life as well as city, and I believe to the flowers and birds so well.

Could any of the chatterers help me in fixing a flower bed? I hardly know when I get nicely into them. I think when I get nicely into them. I bare to try life as well as city, and I believe to the country life as well as city, and I believe to the country life as well as city, and I believe to the country life as well as city, and I believe to the country life as well as city, and I believe to the country life as well as city, and I believe to the country life as well as city, and I believe to the country life as well as city, and I believe to the country life as well as city, and I believe to the country life as well as city, and I believe to the country life as well as city, and I believe to the country life as well as city, and I believe to the country life as well as city and I believe to the country life as well as city and I believe to the country life as well as city and I believe to t

the little birds are fairly bursting their in very hot water, and rub with oil of hard; one generally has a good-sized right, Dame Durden? Some of Ralph

Ingrowing toe nails may be relieved thing next time that will help.

latter I did for a friend some years ago to be of good size and only very short Emerson's essays are fine, too. There I might say a word about our flower gardens, girls. I'm sure that is some-thing every girl will find interesting. I'm sure seeds planted and am daily to be found searching for a peeping wards. It is good, too, when the legs plant. I haven't much patience I'm growth of the seeds plant. I haven't much patience I'm growth of the seeds plant. I haven't much patience I'm growth of the seeds plant. I haven't much patience I'm growth of the seeds are the story to be of good size and only very short selections could be got on a page. But selections could be got on a page. But selections could be got on a page. But have you noticed the music we are of-the fering as premiums? The offers appear making beds and doing all those multitudinous little things which can almost be done without thinking of them.

March 9th, 1910, page 387, and titudinous little things which can almost be done without thinking of them. Subscriber or two would provide you Lately I have enjoyed J. R. Miller's subscriber or two would provide you. ande a few inches longer. with a supply of good music with very little book on "Girls: Faults and Ideals."

A good way to salt a small cheese for little trouble on your part. We will What high ideals he sets before us!



A BEAUTY SPOT NEAR HIGH RIVER, ALTA.

the salt on outside for a few times when turning it.

Corned beef sliced and soaked for a day or two in skim-milk, is very good if rolled in flour before frying.

With good wishes for one and all.

NORAH KILLEEN. (Not a bit too long, my dear, for it is all good. - D.D.)

A MUSIC LOVER! Dear Dame Durden and all the Chatterers:—Seeing such a cordial invitation for all the youngest of those who enjoy the Ingle Nook, I thought I would send you a few words. I enjoy reading the letters from the other chatterers immensely. I am sure that page is a great help to all who read it. I wonder how many of our members are interested in music. Are you, Dame Durden? I Every letter, but the first, that I could listen for hours to a good player bring out a person's inner soul; the best of him or her is exposed. Then think when playing, how one can express one feelings, transfer them to the notes and enjoy the company and solace they provide. I can only play the piano a little, but would love to be able to play real good. My mother used to be a music teacher, and I love to listen to Dear Dame Durden and Friends of her playing when we go and visit uncle You see we have call:—A good thing for weak, or in- not got one at home yet, or of course it eyes, a little in the eye at bed time. music ought to be in every home. By continuing its use for some time it Don't you think this would help to do so, if space could be made? I always A good plan for hot fomentations is think a home is so much happier when to have several thicknesses of flannel, there is music in it, and I feel sure most Reading is another

DECLINING PRISCILLA

to ask us all in to-day—and how pleased we are to be here, aren't we, girls?

I suppose most of you girls are, like dinary salad dressing may be used.

myself on "the dear old farm," at 'home sweet home."

Do you ever sigh for a larger sphere of usefulness, girls, where you might really feel you were advancing in other lines beside "the daily round" of housework? Of course it is splendid work Order by number, helping to make home a real happy and give size, name 'homey' place for father and the boys, and address. and it is a high calling, too, if looked at in the right way. It is so full of responsibilities and opportunities. No to fill the orders. girl need ever feel that her life does not count for much just at home; for the Department, influence of her life-lived well-goes Farmer's Advoechoing goodness down "the corridors cate, Winnipeg. of time

But, dear me, I have almost frightened myself. I must pause to get my breath,

please! most of the girls are terested in music! That happens to be my chief hobby or delight. Little did I think when I was young and foolish, rather despising and neglecting my practice, what a wonderful comfort and help it was going to be to me, and others too—in these my "declining"

I thoroughly agree with Dame Durden about using one's music in a prac is such a depth of feeling in those grand old masters' work, isn't there?

I had hoped to try my intermediate examination this summer, but—dishes and things positively refused to

Reading is another one of the many blessings and comforts we have, isn't

onnor's books are splendid, I think. I simply love (father would look over

Not every girl can have a garden, A good way to salt a small cheese for little trouble on your part. We will What high ideals he sets before us! but every girl may have flowers. We home use, after it is pressed, is to rub be glad to have you come again.—D.D.) It makes one almost tremble at their responsibility. But it certainly helps you wonderfully to overcome your

I fear I am selfishly taking too much room, and methinks I hear Dame Durden say, "Time's up," so farewell to you PRISCILLA.

(You and Western Maiden and (You and Western Maiden and Modest Member seem to have many tastes in common. Yes, "Dame Durden" came from Bleak House. Have you read "A Tale of Two Cities" and "Little Dorritt" yet? They are my Dickens' favorites. Nice girl to write such a plump letter!—D.D.)

THE LITTLE ELF

I met a little Elf-man, once, Down where the lilies blow. I asked him why he was so small And why he didn't grow.

He slightly frowned, and with his eye He looked me through and through I'm quite as big for me," said he.
"As you are big for you."
—John Kendrick Bangs.

PRUNE AND PECAN NUT SALAD.

Soak the prunes over night in cold water; let cook on the back of the range until tender (and no longer), when the water should be pretty thoroughly Dear Dame Durden and Girls:— water should be pretty thoroughly Very exclusive, am I not? But, indeed, evaporated. When cold cut from the I do not mean to be, for we always constones in neat lengthwise pieces. Cut sider our mothers the very dearest of the nuts in slices, lengthwise. Mix the rls, don't we? oil, lemon juice and salt and pour over What a nice idea of Dame Durden's the prunes and nuts. Mix and turn

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6611 Yoke Blouse. 32 to 40 bust.



TALKING IN SCHOOL

Dear Cousin Dorothy:—May I enter Dear Cousin Dorothy:—I am very your club a second time? I wrote quite interested in your club, although my a while ago and did not receive any button, so I hope I can earn one this time. The hot weather has come again and mile from a little village on the eastern crops are looking fine. I go to school side of the Riding Mountains. The every day. The teacher has a card village is called Eden. There are three hanging on the wall, which she uses for stores, two elevators, a boarding house the ones who talk. She gives the ones and a livery stable, two churches, a who do not talk all week a red seal Methodist and a Presbyterian. There and when the card is filled we get a are two flour and feed stables, a blackprize. Our teacher reads to us quite a smith shop, and there are some resifew books. She reads Alger's; some of them are "The Young Adventurer,"
"Facing the World," "Paul the Peddler"

and "In a New World." I will close with a riddle: Why is a horse never hungry on a journey?

FROM FRECKLE FACE

MAGGIE PATON.

Dear Cousin Dorothy:—Has this club any W. P. B.? I hope not, for I am afraid this letter will reach it if you have one. This is my first letter to the club. I live about one mile from the town of Ponoka, and like it in the coun-I go to school in town and am in the fourth grade. I am very fond of reading and my favorite author is M. J. Holmes. I have read nearly all her books. I am the youngest in our family and have three sisters and one brother beside myself. Two of my sisters are married and my other sister is a school teacher. I have a dog called Mike for a pet and my brother has a collie called Roger. I am thirteen years old and will correspond with any of the papooses about my own age. the club every success

name?-F. F.

its mouth.

(You and Fizzle-Top should be good friends, according to your pen name. two miles to walk to school. You didn't put full name on your letter, are six of us going, four girls are I could not tell them where to write. one boy.

cups and a strawberry flower. I think nearly all the birds are back. I have seen robins, bluebirds, sparrows, blackbirds, flickers and crows. I saw another little bird, but I don't know what it is. It is red on half its breast and half its back and its head. The rest was a sort

of gray color. I am very fond of books and I have first letter to the Western Wigwam. Gables I enjoyed it very much; it is sleigh and runs away.

I am going to school and my studies a two-cent stamp.

LIVING IN EDEN

father has not taken THE FARMER'S ADVOCATE very long. I live half a

EDEN ROSE.

Ans.—Because it always has a bit in much, and would like to become a the boys who had passed the Wigwam member of your charming club. Weage limit.—C. D.)

spring flower and put them in a can? I do every spring and I have had but-tercups blooming until June. The trees are out in leaf and the country looks beautiful.

to the Wigwam now; or is the Boys' Club only for boys? I think it would be a splendid plan if Cousin Dorothy would country school and holds about thirty have certain topics each month to write scholars. We have a lady teacher, upon. I think the "Flowers of May" would make a good topic for a letter. There are such a variety of flowers come

out in that month. Don't you? tell about fires. I like reading their letters because I think that it is an interesting subject. I will tell you about across the numerous streams. We a fire we had here this spring. On the live about eight miles from Turtle quarter-section west of us there is a Mountain. In the winter the people large, bush. The owner wanted it go and get wood there. I was in three burnt so he plowed a guard between times last winter for the first time and our place and his. When he lit the fire times last winter for the first time and the wind began to blow harder and it I liked it fine. Altogether we got out crossed the guard into our bush. The twenty loads of wood and there is a boys had to go and plow three furrows man who travels round the country to stop it from burning the whole bush. On the third round the fire was right by sawing wood. He has a little gasoline them and they nearly suffocated with engine and he runs a saw with it, so he smoke. It burnt about fifty acres of sawed ours. We have it all split now, our land.

Well, I must leave room for other Well, I must leave room for other letters so I will close. I am sending you a stamp for a button because I wish a button and see my letter in print. to become a member of this happy little I am sending a stamped envelope en wigwam. Wishing the club every suc- closed.

A MUSICAL FAMILY

Dear Cousin Dorothy:—I enjoy reading the letters of the Wigwam very much, and would like to become



THE FIRST WARM DAY.

he club every success.

FRECKLE FACE.

go to school every day. Our teacher's name is Mr. M——. He came from Ontario, but his people live in Nova Scotia. I like him fine. He has about twenty-five scholars. We have about There You didn't put full name on your letter, are six of us going, four girls and two so if anyone should want to correspond boys; and three at home, two girls and

one mandolin and the organ. Father plays one violin and my two eldest sisters and my eldest brother play the lin and mother the organ.

Sask. LILLIE ADAMSON (15).

THREE KITTENS

Dear Cousin Dorothy:-This is my many members to read Anne of Green after birds and knocks us out of the think that they are very nice.

> I wish to get my button so I enclose CLIFFORD GOHEEN.

A SHARP MEMBER

Dear Cousin Dorothy: - My father has taken THE FARMER'S ADVOCATE for some time and I like to read the letters very much. This is my first letter to the club and I hope to receive a button. We live in town in the winer and on the farm in the summer. WREN KEEPS HER EYES OPEN

Dear Cousin Dorothy:—Here I am gain! Aren't you glad spring has ome? I have found crocuses, butter
WE name the town of Theodore, which is growing.

Father and mother and my second eldest sister went to a football match this evening.

We have six instruments, four violins

Alta. We have ten horses, three colts, thirty

A PET COLT

Dear Cousin Dorothy: - I have writother three violins. I play the mandoten to your club before but you did not that would be very unfair, but don't have the buttons then. I will tell you about my pet. She is a little sorrel reading the stories? Of course, there colt and her name is Flora. We were carrying oats from the granary to the understand, but surely none that we barn to-day and she was following us.

When we would let her have a bite she

Gladiolus says that if the early spring read a few nice ones. I read Little wish to join your club and get a button. Men, Little Women, Masterman Ready, The Wide, Wide World, Tom Sawyer, black dog. His name is Clip. We have an old horse who is about 26 years old. I hope to see this in print this disagreeable, wintry weather is owing to the comet I almost think I Anne of Green Gables and part of Uncle hitch him up to our little sleigh and he as I saw my other one in the paper, owing to the comet I almost think I Tom's Cabin. I saw that you advised will pull us and some times he runs. By Tom's Cabin. I saw that you advised will pull us, and some times he runs I read the letters in the Wigwam and would rather have a later spring. By

LYDIA CRYDERMAN.

SIXTY-FIVE HENS

Dear Cousin Dorothy:—I wrote once before but I guess it went into the wastebasket, but I will try again. My father spring we are having, isn't it cousins? The prairies write about this year to the Wigwam. How is it that our old standbys, two brothers. I am nine years old. Wigs' page. I have four sisters and I go to school. With best wishes to yourself and all the Wigs. Your old friend.

Oriole and Kit Allen don't write? It was a good plan to make a Boys' Club Our teacher's name is Miss S. We stopping them for two months was a

A WOODED DISTRICT

Dear Cousin Dorothy:-I have not written to your paper for a long time, but I thought I would write again to-Are any of the boys allowed to write day. My two brothers and my sister and I go to Hazeldean school. It is a her name is Miss K ... from Manitoba. We walk two miles to it and our neighbors' boys walk with us. When I see that a number of the members the snow started to melt it was very too. Well, as I think my letter is get-

> Wishing the club every success. Man. BRONCHO BUSTER (11).

OUR OLD FRIEND ORIOLE

am Dear Cousin Dorothy:—How long is it since I wrote last? Nearly a year,

At the time I wrote there were eleven going to school at Dingle Dell, but two families moved away soon after, leaving only four. Then one little girl took sick and she and her sister were out of school for two or three weeks, so our school dwindled down to two pupils, a boy in standard four and myself, then in the entrance class. I believe that "Canary" mentioned in one of her letters that she and I were classmates. Well, we were both successful at our examinations in the summer, but our school was not opened after holidays and we both went to town to school. About the first of March I left school for the term so I here am at home again. I am longing for the summer to pass, however, so that I can get back to school. We have a splendid school and a splendid teacher so that our oppor-

tunities are good.
Our first hatch in the incubator came out on the 28th of April. It is very interesting to watch them coming out of their shells. Besides these several hens have hatched and two hens brought out six fine little turkeys a piece. We still have several settings of turkey eggs, some hen eggs, and another hatch in the incubator to come then think we will stop for this year, as any chickens brought out later would not be very much use.

Gladys Ely thinks the smaller ones would like it better if the club would just stay with the letters, because the little ones could not write stories. agree with her that we should not write stories to the exclusion of letters, for are stories that the little ones could not

the way, has anyone seen the comet yet? A week from yesterday is the day we are to pass through the tail.

Surely we should see it by this time.

Dear me! How long this letter is

Dear Cousin Dorothy:—I wrote once getting! I must really close for this

or mer we pick was a good plan to make a Boys' Club Our teacher's name is Miss S = . We stopping them for two months was a good plan to make a Boys' Club Our teacher's name is Miss S = . We stopping them for two months was a stopping them for two months was a prospective and sasks. There are quite a few spring flowers dogs and two cats. We have sixty-five out around my home. Did any of the hens.

There are quite a few spring flowers dogs and two cats. We have sixty-five more interesting since our rest. Glad to have you and Canary back again.

TRICT :- I have not r a long time, vrite again toand my sister chool. It is a s about thirty lady teacher,

from Manies to it and our ith us. When It it was very uld hardly get streams. We from Turtle ter the people I was in three first time and her we got out and there is a d the country 1 little gasoline w with it, so he t all split now, ny letter is get-

d envelope en TV Success. Buster (11).

hope to receive

letter in print.

ORIOLE -How long is Nearly a year,

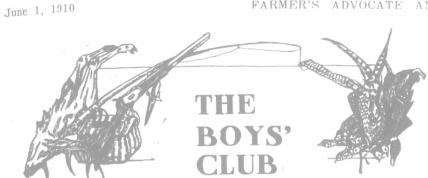
nere were eleven le Dell, but two on after, leaving little girl took ster were out of e weeks, so our to two pupils, and myself, then I believe that in one of her vere classmates. accessful at our ımmer, but our l after holidays town to school ch I left school n at home again. summer to pass, an get back to endid school and that our oppor-

incubator came 1. It is very inn coming out of nese several hens nens brought out piece. We still piece. We still of turkey eggs ther hatch in the n think we will is any chickens ild not be very

the smaller ones the club would ters, because the write stories. I should not write on of letters, for infair, but don't ittle ones enjoy Of course, there le ones could not y none that we under that head. f the early spring net we would not every year. If ntry weather is almost think I later spring. By seen the comet yesterday is the through the tail. it by this time. ing this letter is ly close for this ra (I am doing a

yourself and all

()RIOLE (13). plendid letters in days. I think vo months was a ers have been far e our rest. Glad ary back again.-



A YOUNG COWPUNCHER

Dear Sir:—This is my first letter to the Boys' Club and I hope it will be a success. I live on a ranch eight miles west of town. My father owns 2,240 acres of land. I have ten horses of my own. I have done only a little trapping. I have a Marlin rifle and a 12 shotgun, a 22 rifle, 22 cal. and 32 cal. revolver, and twelve traps. I do a lot break my own horses. I can rope a horse first time. I have a stetson hat, pair of chaps, two pair of spurs, a saddle, two lariat robes, a quirt and a pair of high-heeled riding boots.

I ride to school about two miles away. I love to play hockey, baseball and football. Last winter I played for a junior hockey team.

COWBOY BILL (14). (When you write again explain some of the ranching terms for the benefit of the boys who live in the wheat country and do not know much about the handling of large bunches of cattle or horses. For instance, what do you mean exactly by cowpunching, roping a horse, stetson hats, lariats and quirts? Glad to put you on our list of members.—

ANOTHER WAY MAKE A KITE

Dear Editor:—Here I am back again! THE FARMER'S ADVOCATE is the first paper I look for and the first thing I read in it is the Boys' Club. I see John Davidson wants to know how to make a kite. Well, I tried a good many times before I could get one to fly. There is a piece "How to Make a Kite" in another paper, but I might as well give it here, as everybody does not take that

paper.
"Procure a nice straight piece of sound cedar or pine. In fact, light wood of any kind will fill the purpose, providing it is straight and free from knots. With a sharp knife cut it to a length of four feet, making it about three-quarters of an inch in width, and one-quarter of an inch thick. With a rule mark off point one foot, four inches from the end. Prepare another strid similar to this one, making it only two feet, eight inches in length. With your rule find the middle point of this stick and mark it plainly. Now take the two sticks and cross them at right angles firmly binding them together at the two points marked, with strong cord. When this is done you should have a when this is done you should have a similar to this one, making it only two corner. One holds the pail, one the calf in a date of March 31, 1907, as follows:

"I must say that absorbine did all that I could ask. My horse had two puffs on the front of his hind legs, and also a thoroughpin. By the use of two bottles of absorbine they are all gone, so you cannot detect that anything was wrong. I am much pleased When this is done you should have a perfect cross. Next notch the four ends of the stick. It is as well when notching the ends to cut off the corners so that when you are outling on the stick. RURAL TELEPHONE

Two dottes of absorbine they are all gone, so you cannot detect that anything was wrong. I am much pleased and when anything goes wrong again I certainly shall send for more of your remedies." Absorbing is good for so that when you are putting on the paper it won't tear.

At the top tie one end of a fairly long cord and passing over the notched top bring it down to the right arm of the Draw it tightly and tie it. the same way pass the cord completely round the cross, making it fast and takshape. This is the frame work of your kite. Next spread a large sheet of paper on the floor and aleging the paper on the floor and placing the framework on it, cut your paper much as a dressmaker cuts cloth to a pattern. leaving a margin of about two inches all around. Fold this margin in over the string all round and paste it down Your kite is now complete; it will be stronger with a double covering

A PRAIRIE FIRE

into pieces about six inches square; fasten these about four inches apart to a long string until the tail is about twice as long as the kite. Tie one end of the tail to the bottom of the kite. Take a boll of stout twine, pierce the paper cover at a point opposite where the stick cross, and sticking the end of the twire through, tie it firmly around

A PRAIRIE FIRE

Leditor Boys' Club:—My father has taken The Farmer's Advocate for two taken Th

ever since it was started.

prairie fire close by our place. It burnt over about three miles square. One man lost his horses, house and implements, and my brother and my father fought it until two o'clock in the morn-

HAROLD WALKER (15).

TRADE NOTES.

HAIL AND CYCLONE INSURANCE

shotgun, a 22 rifle, 22 cal. and 32 cal. revolver, and twelve traps. I do a lot of cowpunching. My father has a ranch in the foothills, and every fall ranch in the foothills, and every fall paper does not tear near so easy this. This increased demand for insurance brings new companies into the field. Among the newcomers of 1910 is the Des Moines Mutual Hail and Cyclone anch in the foothills, and every fall paper does not tear near so easy this Insurance Association. This company go and gather the beef cows and elfs. way. I will have to close now, wishing has been doing a flourishing business. to hear how anyone who tries to make for twelve years. An annual increase a kite succeeds.

in policies issued is the best tribute A SASKATCHEWAN COYOTE.

SOLVING THE CALF PROBLEM

Dear Editor and Boys:—I have been an interested reader of the Boys' Club ever since it was started.

In poncies issued is the best tribute to fair dealing. The company operates in Iowa, South Dakota, Wyoming, Idaho and other states of the American Union. This season, as indicated in an advertisement on another page, business will be done in Manitoba under business will be done in Manitoba under I have some questions to ask. Here a \$10,000 guarantee. Those interested



MUSIC HATH CHARMS AGAINST LONELINESS.

they are: What makes cattle and sheepshould write the company for particuwander so much about the fields in lars. We have been advised that this spring? Where do king-birds build company always have paid losses 100 their nests?

their nests? One of our members asked lately if calves could be fed without fingers. Now this is an experiment we tried

pasture. We have twenty horses, twenty cattle, ten pigs, seven cats, fourteen roadside in an insensible condition, and chickens. I have three brothers and evidently delirious, for he muttered two sisters, one who is attending the incessantly collegiate in town. We have the rural telephone, which is very handy. It has been raining and snowing to-day. It wish it had been clear so I could have bling sentence which the P. C. uttered. seen Halley's comet.

HARRY WILDE.

GOOD LINIMENT

A pleasing testimonial about Ab-Now this is an experiment we then the spring, as they bite so. It takes three to handle one. Put the calf in a Molick, of Ottercliffe, Ont., under corner. One holds the pail, one the calf in the corner, and the other holds "I must say that absorbine did all the calf's head in the pail without finter that I could ask. My horse had two many holding its head so that it can't get puffs on the front of his hind legs, and Dear Editor and Boys:—I live on a farm seven miles from Moosomin. I go to school in the country and am in the third grade. We live in town in the winter. I skate and play hockey. I have a dog that will pull me on the sleigh and his name is Collie.

We have three-quarters of a section that we farm and a quarter fenced for

I ate one, too. " He's evidently been poisoned," said

I'll try the stomach pump on him.' This instrument of torture brought the dazed constable to his senses, and he kicked the pump to the other end

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JUDGMENT ON PROPERTY

would be good against any property the fall. belonging to C, and you need not wait to make your money out of the land. You should consult a solicitor

Sask., or Lethbridge, Alta., the only with the grass seeder attachment; cost being for freight. A culture put others close some of the holes in the up in bottles also has been used. The grain box; others again mix it with Ontario Agricultural College, Guelph, ground barley while a few sow by hand.

Ans.—Like many other questions bought one-quarter of land from this one must be qualified according to Execution to G, mortgage to M, and payment to F. C claims that he will not pay these claims and that he will let the land foreclose. Have we the right to sue him for our claim if the land does not pay them or our mortgage, or could I remove my judgment on some of his property?—T. F. K.

Ans.—If you have a judgment it average soil is to plow down stabled in the substantial plan is a training in engineering to equip a person to operate a steam engine successfully, and to enable him to pass an abundance of fibre or humus the plowing under of stubble might be objectionable. In loose soils, too, it is not advisable to turn under stubble in the spring. The ideal practice on the average soil is to plow down stabled in Ans.—If you have a judgment it average soil is to plow down stubble in

RAPE ON FALLOW

land. You should consult a solicitor as to enforcing your claim.

ALFALFA INOCULATION

Give hie information as to what is the best method of inoculating ground for alfalfa, and where can the material be procured?—A. B.

Ans. As has been announced in several issues this spring the most satisfactory method of inoculating for alfalfa is to procure seed from a field in which alfalfa has been grown Apply at the rate of 100 periods per acre. The soil can be get at the experimental dribs or broadcast at the rate of four The soil can be get at the experimental dribs or broadcast at the rate of four afarmer to put up his own lightning rods.

I have about thirty acres summer fallows, but I would like to pasture it. What would be the best, rape or barley? When should I plow? How much per acres acre should I sow? Can I sow rape with a drill. I have sowed it broadcast in the Old Country. I was thinking about plowing two days at a time, harrowing as I go, and then sowing it so that it will not all come at once. -P. S.

Ans. As a late summer and fall passible for a trace for cattle, sheep and hogs, rape at the rate of 100 periods per acres, later broadcast at the rate of four dribs or broadcast at the rate of four farmer to put up his own lightning rods. I have about thirty acres summer-

farms at Brandon, Man.; Indian Head, to six pounds per acre. Some sow it Experiments indicate heaviest cropping from drill sowing, but on summer fallow about four or five pounds per acre broadcast with perhaps some barley or oats mixed should give ex-Which is it most profitable to burn tubble or turn it under with a plow?— when the soil is moist and in good con-

ENGINEERING BOOKS

Run Them," by Stevenson, is one of the best books on this subject. It can be secured through THE FARMER'S AD-VOCATE, for \$1.10, postage prepaid. You had better consult the Alberta department of agriculture, Edmonton, as to requirements of the engineers'

self? Would an iron post, say every the acre yield competition at the Allighting to the competition at the Allighting to the competition to be held berta.

Instead of an iron post every hundred vards along a wire fence it is better to place a ground wire. This wire would stand perpendicular from the top wire and extend into the soil to the moisture line or below. If it extends above the wire of the fence so much the better. This would serve as a fair protection o stock in the immediate vicinity of the fence. However, if they were a short distance away and on higher ground or under a tree they would still be in danger.

ALFALFA CULTURE

Do you know of any business handling alfalfa culture in liquid form for in-oculation of seed ?—R. K.

Ans.—We are not aware of any firm handling alfalfa culture in liquid form. The Agricultural College at Guelph, Ont., prepares a gelatinous culture in a bottle.

SCHOOL LAND AT AUCTION

What are the terms of school land when buying it at an auction sale ?-

Ans.—One-tenth down and the balance in nine equal annual instalments with interest at 5% per annum.

HARRY LAUDER'S SONGS

Where can I get Harry Lauder's songs and what is the price?—Reader. Ans.—Almost any music store carries these songs. A book comprising eighteen of Lauder's songs sells at 35 cents. Songs on separate sheets cost 25 cents each.

TESTING METALS

Where can I get a few stones that are supposed to be mixed with metal examined and tested?—A. Ans.-Send them to School of Mining, Kingston, Ont.

LIABLE FOR FIRE DAMAGE A neighbor's hired man started a fire which got away, burned my haystack, stable and granary. The place is managed by a foreman, and he says he told the man not to put out any fire until they had plowed a guard. Have I a claim against his employer?—T. E. Ans.—From this statement of the case it would seem that your neighbor is lia-

OUTSTANDING ACCOUNTS I have a number of accounts and notes standing in Manitoba. I gave them to a lawyer to collect last year, with instructions to sue and secure judgment and garnishee their grain at threshing time. I have not set cured any money from him yet. Can a person be sued and judgment secured; then a garnishee put in against his grain? How long does a judgment hold good in Manitoba? Is a note or an account outlawed in six years in

Manitoba ?—J. M.
Ans.—A writ of garnishment can only be issued where money is owing. it is desired to secure grain it will be necessary to do so under an execution issued out of the court after a judgment has been obtained. A judgment will hold good in Manitoba for ten years from its date. A note or an account outlaws in six years in Manitoba, unless something is paid on account or an acknowledgment of the debt is given

GOSSIP

AUCTION SALE OF HORSES

On June 10, A. Layzell, auctioneer, will dispose of a number of horses weighing 1,100 to 1,500 pounds, at Gledor Ranch, some four miles east of Calgary. This sale has been advertised in these columns and it is intimated that a big percentage of the offering is made up of choice females.

Horses are in big demand all over anada. Good prices are being paid Those who want teams of good animals should attend this sale.

NEW FEATURE AT CALGARY

at Calgary, June 30 to July 7, is a new idea for an exhibition. The folowing prizes are offered;

Winter Wheat... \$100 \$50 \$25 \$15 \$10 \$5

Spring 100 50 25 15 10 5 Wheat

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-T. E.

is the concentrated goodness of beef

It is pure, health-giving and always ready for use.

BANK SHARES BOUGHT AND SOLD

AMERICAN SECURITIES CO. 627 Confederation Life Bldg, Toronto



THE HOOVER MFG. CO., Box No. 32, Avery, Ohlo.

R. W. McClure E. A. Cohen T M. Daly, K. C. W. M. Crichton DALY, GRIGHTON & McGLURE

Barristers and Solicitors Office: CANADA LIFE BUILDING WINNIPEG MANITOBA

FISH WILL BITE like hungry wolves at all seasons if you use FISH LURE. It keeps you busy pulling them out. Write to-day and get a box and complete Fishing Outfit to help introduce it. Enclose 2c tamp. Michigan Fish Bait Co., Dept. 13, Port Huron, Michigan.

BSORBINE

Hamilton Gream Separator



HAMILTONS', Somerset Bldg., Winnipeg the official test was to be conducted,

10 5

The average amount of grain grown on an acre must be shown, and will be judged: 60 per cent. for quality, 20 per cent. ter purity, 15 per cent. for quantity, 5 per cent. for acreage. The It is not likely that anyone of grain grown on an acre in a pile by itself, and the reader will realize what a great interest will be taken in a building where probably 50 to 100 such exhibits will be on view from all over the province. Some districts are taking a particular interest in this feature, s in the case of Lloydminster agricultural society, who have already secured six exhibits from their district. The to be of more than ordinary interest, and the excellent music and attractions. low rates and special trains will undoubtedly make the attendance the largest yet. Entries close June 18.

W. E. and R. C. Upper, of the Clear Water Stock Farm, have sold Robosse to W. B. Thompson, of Milestone, Sask. This horse has been the head of their stud for eight years, and has proved very successful, both in the show-ring and in the improvement of stock. The new head of the stud

UPPER'S PERCHERONS

Bijou, a recent purchase from Colquhoun & Beatty, and is a black of extra good quality and size. This stallion was second at Brandon Spring Show and first at Regina, and has also numerous prizes to his credit won at leading fairs in the United States. Uppers have also sold a four-year-old of good quality to A. Rochemnacher, of Leofeld, Sask., which district required a good horse. They report that a feature of this year's business is that

BOVINE TUBERCULOSIS

the demand lasts later in the season

(Continued from page 802.) the injection, the cattle are left alone for 8 or 9 hours, and then their temperatures are again taken, and should be taken at least every three hours until 24 hours have elapsed since the injection In a healthy animal, practically, or, I might say, actually, no results are noticed, but in a diseased animal, a test in which the reaction occurs does not in the least indicate the extent to

reaction (a rise of temperature) is well If the reaction be 2 degrees marked. or over (some claim anything over I degree), we are justified in condemning the animal. If above 1 degree but less than 2, we consider her a suspicious cases and keep her for a future test. The degree of reaction, or the period of the which the animal is diseased. In advanced cases, where the temperature before injection is quite high, we often observe no reaction; hence in such cases, the test indicates nothing. While we do not claim that the test is infallible, we claim that its eldom makes a mistake. We have never known it to condemn a livered. Horse Book 5 D free.

ABSORBINE, JR., (mankind.\$1.00 bothel.) For Strains, Gout. Varicose Veins, Varicocele, Hydrocele, Prostatitis, kills pain. 1006, P.D.F., 248 Temple St., Springfield, mass. 101 bothelm and is assed one. Of course, in order that the test may be valuable, it is the preparly conducted, and observe no reaction; hence in such W. F. YOUNG, P.B.F., 248 Temple St., Springfield, Mass, LVMANS Ltd., Montreal, Canadlan Agents.

N. F. YOUNG, P.B.F., 248 Temple St., Springfield, Mass, LVMANS Ltd., Montreal, Canadlan Agents.

The National Brug & Chemical Co., Winnipeg and Calgary; and Menderson Bros. Co. Ltd., Vancouver.

The National Brug & Chemical Co., Winnipeg and Calgary; and Menderson Bros. Co. Ltd., Vancouver. during the test, which disease causes an increase of temperature, and in such a case a veterinarian would be able to detect this disease, and, as a consequence, place no value on the test, while an inexperienced man would probably not be able to detect the 49.00 probably not be able to detect the presence of said disease, and possibly condemn a non-tubercular animal. Such occurrences as this tend to make people skeptical about the test. It has been observed that an animal which reacts during a test will in many cases not during a test will in many cases not react again until a certain length of time has elapsed. Some claim that at least 60 days should elapse, others that at least two months. Unscrupulous people have been known to take advantage of this fact, and when they they have had animals that were to be

they have had animals that were to be

"It's Guaranteed to do Something and Does It."



HE moment you put the GAS TRACTION ENGINE to work on your farm you can bet your life that it is going to produce for you quicker, better and more profitable results than you could possibly get through the use of any other all-purpose farm power. The Gas Traction Engine is Guaranteed to do everything that horses can do anywhere—any time. That makes it the only absolutely reliable substitute for horse-flesh. That is what you want. The Gas Traction Engine is the all-purpose power the farmer has been looking for since Noah built the Ark ing for since Noah built the Ark.

The best proof of an engine's worth is the guarantee under which it is sold. If a manufacturer has not sufficient confidence in his engine to absolutely guarantee its every operation on your farm, that is a good enough reason to suspect a "nigger in the woodpile" isn't it? The Gas Traction Engine is sold under a "Golden Rule" guarantee that plainly states the number of breaker and stubble plows the engine will pull on your farm—the amount of fuel it will use in plowing an acre of ground—the size separator it will successfully and continuously drive. And every casting and gear on the machine is guaranteed for ONE YEAR. Furthermore—

The Gas Traction Engine is Sold on Approval

Without the advance payment of one cent. take the engine into your

You Should Know

that we originate—never imitate—that the phrase "Gas Tract i on" was coined by us—that we first gave prominence to the title "The Passing of the Horse." as used in connection with the arrival of the Self-Steering G as Traction Engine—that our engine is an absolutely original and successful creation—that the "Golden Rule" guarantee under which it is sold is undisputedly in a class by itself, as the most fair and aboveboard guarantee ever given on a farm tractor, either steam, gasoline or kerosene

own field on your own farm and test it out thoroughly. We'll even go so far as to send you a man at our expense to demonstrate the engine's worth to you. If it describes the send to send the send the send to send the sen worth to you. If it doesn't make good every line—every word of that "Golden Rule" guarantee-no pay to us.

INVESTIGATE-NOW

Whether you want an engine today or tomorrow—to break prairie—plow stubble—to disc, seed, harrow, harvest or thresh—WRITE TODAY for a free copy of our splendidly illustrated, clearly written book, "The passing of the Horse." A post card will do the trick. DO IT NOW.

Gas Traction Company

"First Builders Multiple Cylinder Farm Tractors"

Grain Exchange, Winnipeg

HAIL!

FARMERS, ATTENTION! PROTECT YOUR LABORS

Insuring your crops against loss by hail storms, with THE "OLD RELIABLE"

Des Moines Mutual Hail and Cyclone Insurance Association of Des Moines, Iowa, U.S.A.

Organized in 1899 under the stringent insurance [laws of Iowa

LOSSES HAVE ALWAYS BEEN PAID 100 CENTS ON THE DOLLAR SINCE ORGANIZATION

We have deposited TEN THOUSAND DOLLARS with the provincial government of Manitoba.

We are not offering you SOMETHING for NOTHING, but will charge an ADEQUATE RATE and give you fair adjustments.

RELIABLE AGENTS WANTED

Write for contract at once, stating amount of business you can write in the next sixty days. The hail season is now here.

ADDRESS HOME OFFICE

Des Moines Mutual Hail and Cyclone Ins. Assn.

405 Crocker Bldg., Des Moines, U.S.A.

MESSAGE WARNING

TELEGRAM

Mr. Farmer:

Minneapolis, Minn., June 1, 1910

The gophers and squirrels are eating up your crops! Go and see for yourself the serious damage that is being done by these grain destroyers.

MICKELSON KILL-EM-QUICK CO.

YOUNG GOPHERS NOW COMING OUT

Reports are in circulation and are being received daily from parties who have travelled over certain agricultural territories that this season's crop is threatened, and that thousands of bushels of grain will be destroyed if the farmers do not look after their growing grain and take some means at once to pro-

This condition is confined largely to that section which is infested by the gopher and squirrel pest. Not in years have there been so many young gophers and squirrels than are now invading the fields and causing endless damage to the

USE MICKELSON'S KILL-EM-QUICK GOPHER POISON

Thousands of farmers have cleared their fields of these grain destroyers by using this patent gopher and squirrel exterminator. "KILL-EM-QUICK" WILL DO AS MUCH FOR YOU. Why tolerate the presence of these pestany longer when you can get rid of them at a very small expense? A \$1.25 size package of "KILL-EM-QUICK" will save many an acre of grain.

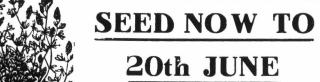
KILLS THE GOPHERS OR YOUR MONEY

The faith that this company has in its gopher and squirrel exterminator is substantiated by the hundreds of voluntary testimonials that have been received from satisfied users, and is also evidenced by the CASH REFUND GUARANTEE that is printed on every package. "KILL-EM-QUICK" comes in two sizes 75 cents and \$1.25 per package. Guaranteed to kill the flicker tail, striped and pocket gophers, field mice, rats, mice, ground hogs, rabbits, badgers, wolves and coyotes. TRY IT, and if you are dissatisfied after you have used same in accordance with the printed directions, we will refund direct to you the purchase price. "KILL-EM-QUICK" ALWAYS KILLS

YOU CAN BUY " MICKELSON'S KILL-EM-QUICK" GOPHER POISON FROM YOUR DRUG DEALER. Write us for complete information, folders.

MICKELSON KILL-EM-QUICK COMPANY

Dept. H., MINNEAPOLIS, MINN.



the following varieties.

ALFALFA produces from 3 to 7 tons has to the acre. The nearest to a Montana grown seed \$26.00 per 100 lbs.

SILVER KING BARLEY

ORLOFF

FODDER CORN

MILLETS and HUNGARIAN We tern Rve. Brome Triothy. Red

Similed.

some of the lines we are constantly printing TATEMANTS, INCOME POR BULL HEALS

ELLINTER COS

teracts the reaction caused by tubercu non tubercular animals and this can lin, and the administration of these drugs be assured only by apply lin, and the administration of these drugs is a linear to the during the progress of the test renders culin test to milking cows, and by the test valueless, and causes the careful official inspection passing of diseased cattle. Some dis casses in the slaughter lagues of cattle honest men have, unknown to the person killed for beef. Again, the e-precautions conducting the test, taken advantage can and will be observed only after the of this knowledge, and succeeded in most rigid legislation. We are of the having tubercular cattle pass as sound. opinion that the danger of contracting Such practices, of course, tend to the disease, as stated, is slight, but at make people lose confidence in the test, the same time exists, hence the adand emphasize the statement that only visability of hasty legislation in the qualified men should conduct the test, matter must rest with those in whom and that where there are any grounds the duty and power of legislation is for suspicion that the owners will em- placed. ploy means to nullify the test, great vigilance should be observed during by inhalation is not possible; that its progress

The question then arises: "How digestive tract, while others claim shall we control the disease?" The that the most common manner of wholesale testing of cattle and slaughter infection is by inhalation. The former of reactors would practically kill the cat claim that milk and its products are tle industry of the country. This the general carriers of the bacilli, statement particularly applies to the not that the milk in general contains high-class, purebred cattle that are the germs when drawn, but becomes kept under highly artificial conditions, infected later on ; that most tubercular The disease is much more prevalent in cattle pass faces largely impregnated such cattle than in those that are kept in with bacilli, and that, during milking such a less artificial manner and exposed small portions of the excrement are innore in the open air. By what is troduced into the milk, by splashing

and thereby have had diseased cattle bility of danger, it below was us to oband thereby have had diseased carrie only of danger, it below we us to ob-pass as sound. Then, again, there are certain drugs the action of which re-duces temperature, and thereby coun-non tubercular animals. ing the tuber-

Some scientists claim that infection infection always occurs through the



CLEARING THE ROAD AND PREPARING FOR CORDUROY IN ROSEDALE MUNICIPALITY

". The consumption of the flesh or in the same way. the whole other and

> at the second source is support it. If we admit the possibity of the uberculosis " we are transmission of boyne ; mode of the decision to the human family. of so much and transmission is probably ill possible I be the insportance as the fact three are care should be taken consume eased animaged either the flesh or mil WHIP. of the possitionals

alled the "Bang" system, a healthy during defecation, whisking of the tail, herd may in time be reared from etc. and thus the milk becomes charged diseased parents, both male and fe with the virus, hence people or animals Science has demonstrated the drinking the milk introduce the bacilli fact that congenital tuberculosis (by into the digestive tract) and that butter that we mean where a calf is diseased and cheese manufactured from unwhen born) is not unknown, but is very pasteurized milk also contain large num-rare. Hence when diseased cattle pro-bers of the bacilli, hence those consumduce young, and as soon as born the ing these products are subject to the calves are moved to healthy quarters same danger. They claim that the and respect on pure milk, they will contain the property of being taken up time to be healthy. Periodical tests, by the blood-vessels, and carried to of course, must be made, in order to various parts of the body more or less detect any diseased animal that may remote from the seat of introduction, exist in calves reared, even under these and lodging in tissues or organs for conditions. This system of controlling which they have an affinity, and that the disease is, of course, slow, and is the lungs and other respiratory organs not generally practiced but in the few and glands, having an affinity for these cases in which it has been carefully bacilli, arrest them, extract them from The danger or possibility of man conthe ting the discuse, either from tre lar matter, and that tubercular deposits tient contact with tuberculare ettle, or in other glands or organs are produced The latter class of of sale may be said to be a dissocientists dispute this theory, and, To the attention of centrals. Some while they admit the possibility of the best it is too possible, that the blood stream carrying the bacilli and the strength humon to be about the control of the cont of a the and human tuberculosis depositing them in various organs, interest organisms, and claim that infection may and very fre-The ser cannot possibly produce quently does occur by inhalation, and we may this mode of infection largely accounts the greater annalog of for the frequent attacks of the respira-ability at this solvest tory organs. These are points that at least to determine, and those the Wileston a apparently conclusive arguments to

nat infection issible; that through the thers claim manner of The former

products are the bacilli. eral contains but becomes ist tubercular impregnated ming milking ement are inby splashing



ing of the tail, comes charged ple or animals uce the bacilli and that butter red from untain large numthose consumsubject to the aim that the eing taken up ind carried to v more or less f introduction. or organs for inity, and that piratory organs ffinity for these ract them from the fine coats evelop tubercuercular deposits is are produced latter class of theory, and, ssibility of the

the bacilli and arious organs. v and very freinhalation, and argely accounts s of the respirare points that nine, and those v can produce arguments to

lility of the imberculosis he mode of of so much ill possible consume cased ani-WHIP."

Jane 1, 1910 WORLD'S RECORD HEIFER

The Holstein-Friesian heifer, Jennie world's record by 70 pounds butter market for the purpose of keeping pric at a low level must be a total failure. We are not informed on which basis this was calculated. If figured on the 80 per cent, standard, it would mean that the heifer's milk contained an estimated 666.32 pounds of butter fat. If calculated on the basis of adding onesixth, it would mean that she had given 713.91 pounds of butter-fat.

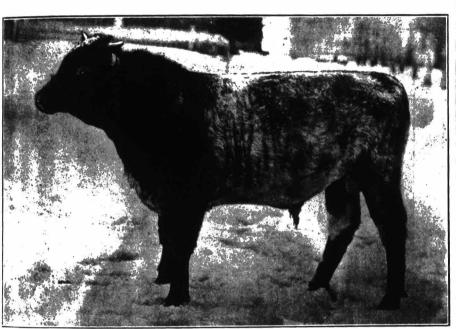
This heifer, ten months after freshening, made 14.39 pounds butter in seven days, which is also a world's record. much the greater.

THE MEAT PACKERS' DEFENCE

business is the packer's ability to sell forty-five per cent, of the business of

On the Chicago market alone there are now over three hundred commission salesmen of this nature and about fac-Bongerges Ormsby, owned by D. C hundred individual buyers for board Flatt & Son, has recently completed packers, packers of other cities, or for what is claimed to be a world's record shipment alive abroad. To say that it is possible for any group of men to conof milk and butter production for a is possible for any group of men to con-trol this number of individual buyers is two-year old, in a 365-days' test, made foolish. The numbers engaged in the under the supervision of the Dominion trade show the impossibility of such number the supervision of the Politimon at thing Further, one need only Department of Agriculture. This heifer look at the live-stock market column in calved as a two-year-old, and gave look at the live-stock market column in any newspaper and observe the prices within a year, 16,849 pounds 3 ounces that are being paid by various classes milk, which contained 832.90 pounds of buyers for live stock, to be certain butter, which it is claimed heads the that any attempt to manipulate the market for the purpose of keeping prices

As to competition in the selling of packing house products, the official register of the inspection service of the Bureau of Animal Industry of the Department of Agriculture shows that there are operating under federal su-pervision 635 slaughtering establish-ments. In addition to these there are many local packing-houses in the various states doing business strictly within their own state, not coming under she will drop two calves in a little over federal supervision, and not included 13 months, which makes her record so in the list. Furthermore, while there are no authentic statistics showing the total amount of business transacted by the packing industry, it is fair to pre-The foundation of the beef packing sume that the six large packers do about



CHAMPION YEARLING SHORTHORN AT TORONTO LAST YEAR

the steer costs. The greater the measure of ability the less the beef can be business transacted by the local packsold for Every beef packer knows ers and butchers in the smaller towns that if he cannot rely upon his ability and cities their percentage of the total to do this year in and year out his would be much smaller. methods are too crude and antiquated to serve the needs of this generation. Statements have been made that ex-Furthermore, he must be able to operate on the basis of an average profit of about three certs on a dollar. These facts worth of sales. I believe there is not ought to be known. The business was another industry which operates on so built upon economies; every effort has small a margin of profit. From this ceeded 1 cause some stand equally the live COTISHI SILVING

tying his live stock direct reach of all ch one ha over or stockman, and, on would enable to from: 1 · 110 . . . 1 lying it in the form of finish of a secto the consumer Lord. onditions as they actually sixty wife to live-stock raiser, whether up not a sixty range cattle or of what are marished corn-fed steers, shits year merchant at any of the person k centers. Upon the total h live stock at Chronic are 12 St. Joseph, or which ever veen most convenier. hipper, a salesman let "1. en to whom the description

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the beef steer for considerably less than the large packing centers. If it were

been made to minimize waste and to small margin it will be seen that our materials formerly neglect- profit can make very little difference] lang-house methods are suc- in the ultimate price of meat to the omething else it will be be- consumer, as in analyzing the profits new scheme has been deper head and per pound we find that will permit operation on a the packer's net profit on an average the public needs to under- was about \$1.23 per head, or less than a at the business has been quarter of a cent per ported dressed tive in distributing among weight. We would his to have the producers and the meat- cost of live stock at a rate to make public the proceeds of the a fair return to the stock raiser emplished small profit for the packer, and schef has the packer, on the food profits at a trice within

C. COP PROTECTION

The Gun for the Farmer

You can protect the acres of corn and oats or whatever you grow from the crows and other pests that are such a nuisance to the farmer. Weasles, Gophers, Hawks, Blue Jays, Rabbits, Woodchucks, etc.

Here's a Repeating Rifle that you can shoot 15 times without re-loading.

LIST Price, \$8.00.



Two models: The first takes fifteen .22 Short cartridges only The second takes any one of three cartridges .. 22 Short, .22 Long and .22 Long Rifle, but the greatest accuracy is obtained in this model by using .22 Long Rifle cartridges.

The Stevens Visible Loading Repeating Rifle is guaranteed to be the most accurate .22 Repeater Made.

It is rifled with the care and precision that has made the name Stevens famous the world over. It shoots straight and it hits hard.

There is no Repeater at the price that has the work and finish which is put into the Number 70

LIST Price \$6.00.



shot .22 calibre Rifle in the world. There are more Stevens Favorites sold than any other single shot. This is the Gun that has made the Stevens reputation.

It is is the Gun that has made the Stevens reputation.

If you are looking for a good Shotgun at a moderate price, write us and we will send you full details and price list. We make shotguns (single and double barrel, hammer and hammerless) that you can buy at prices listing from \$7 up to \$60.

Our No. 520 Hammerless 6-shot Repeating Shotgun is a marvel at the figure. (List price \$27.00.)

Besides shooting with the very best pattern and penetration, the Stevens No. 520 has a feature which we arrive a state of the stevens of t

which no other repeating shotgun has IT IS THE ONLY REPEATING SHOTGUN MADE THAT CAN BE OPERATED AS FAST AS THE HUMAN HAND CAN MOVE WITHOUT DANGER OF BALKING. This is because the empty shell and the loaded shell travel by separate

DO YOU WANT TO BE A BETTER SHOT?

It's the fine points that make the the little kinks, the fine points that get big difference between the expert and the them big scores,

ordinary shot.

Experts don't give away these points they spent long years to get. But it's to our advantage that present and future users of Stevens rifles and shotguis become expert shots. We employ some of the world's crack shots. They know all

J. Stevens Arms & Tool Co., Dept 546, Chicopee Falls, Mass. THE FACTORY OF PRECISION

LIST PRICE OF STEVENS RIFLES

Little Scout No. 14 Stevens-Maynard Jr. No. 15 Crack Shot No. 16 young shooters. Accurate and made

for real work.)

Favorite No. 17 (The only Boys' Rifle used by Men).
Visible Loader No. 70
Ideal Rifle No. 44 (Man's heavy Single Shot Rifle.



Hardy Fruits

TREES, SHRUBS AND PLANTS For Manitoba, Saskatchewan and Alberta Planting

Quick growing Hardy Trees for Windbreaks and Shelter Belts Russian Apples, Crabs. Native Plums, Small Fruits. Seed Potatoes, etc.

Varieties tested and recommended by Western Experimental Station

Agents Wanted where we are not represented. Lib eral terms and Free Experiment.

Send for ejreglar of We tork Special ties and Testimoreal

Stone & Wellington

The Forbill Nurseries

The Advocate is the Best Advertising Medium

WANTS AND FOR SALE

TERMS—Two cents per word per insertion. Each initial counts for one word and figures for two words. Names and addresses are counted. Cash must always accompany the order. No advertisement inserted for less than 50 cents.

FARM HELP of every description supplied. M. MacNeil, 215 Logan Ave., Winnipeg, 'Phone 7752.

LOCAL AGENTS—We have some very good openings in Saskatchewan and Alberta for good live men, willing to give their whole time or part of same in doing subscription work for the ADVOCATE. Good commission paid to reliable people. When writing enclose references as to character, etc. Address Farmer's ADVOCATE, Box 3089, Winnipeg.

SOUTH APRICAN WARRANTS—I will sell two at bottom price. I will buy any number at market prices, subject to confirmation. E. B. McDermid, Nelson, B. C.

FARMERS—Write me for prices on fence posts in ear lots, delivered at your station. Get the best direct from the bush. Fruit land for sale. J. H. Johnson, Malakwa, B. C.

VANCOUVER ISLAND OFFERS sunshiny mild climate; good profits for ambitious men with small capital in business, professions, fruit-growing, poultry, farming, manufacturing, lands, timber, mining, railroads, navigation, fisheries, new towns; no thunderstorms, no mosquitoes, no malaria. For authentic information, free booklets, write Vancouver Island Development League, Room A, 34 Broughton St., Victoria, B. C.

FOR SALE—Several good sections of finest wheat land in Sunny Southern Alberta at \$11 to \$18 per acre. Easy terms. Also improved farms. Write at once for full particulars. First class investment. Freeman, MacLeod Company, Dept. 24, Box 679, Lethbridge, Alberta.

ENGINES FOR SALE—We have on hand ready for delivery a number of Portable and Traction Engines, simple and compound, from sixteen to thirty horse-power, rebuilt and in first-class order, which we will sell much below their value. Address P. O. Box 41, or the John Abell Engine and Machine Co., Ltd., 76 Main Street, Winnipeg, Man.

C. McG. SANDERS, Fortier, Man., breeder of Yorkshire hogs and Pekin ducks. Young Yorkshire hogs and Pekin ducks. stock for sale. Eggs, \$1.50 per setting.

GASOLINE ENGINES—1½ horse power \$65.00 complete. 2½, 4½, 6, 8, 12 horse power at proportionate prices. Pumping and Sawing outfits. Get our catalogue. Bates Motors, Petrolea, Ont.

EXCHANGE OR SALE—Good second-hand traction, steam threshing and plowing outfit, near Winnipeg. Want land or registered cattle or draft mares and a stallion. Address Box 14, Lake Wilson, Murray County, Minnesots.

WANTED—Nation's Custard Powder, now sold by all grocers; 5-cent packets, ½ lb. and 1 lb. patent measure tins, wholesale. W. H. Escott, Winnights Winnipeg.

WESTERN RYE GRASS SEED for sale at 8 cents per lb in bran sacks, f. o, b. Virden. W. Dillon, Box 657, Virden.

Lost, Strayed or Impounded This department is for the benefit of paid-up subscribers to the FARMER'S ADVOCATE, each of whom is entitled to one free insertion of a notice not exceeding five lines. Over this two

WE CAN SELL YOUR PROPERTY. Send description. Northwestern Business Agency. Minneapolis.

LOST 4 WEEKS AGO brown mare, 9 years old, hind feet white; also black mare, eight years old. Both had halters on; branded I. K. Good reward. Joseph Zacharias, Wilkie Bay

STRAYED about the middle of April, one dark bay mare; age, twelve; broad white stripe on face; branded U over inverted T; weight 1,000 pounds. Reward on information leading to its recovery. G. W. Stewart, Sedley, Sask.

POULTRY AND EGGS

sents per word.

Sask

RATES Two cents per word each insertion; cash with order. No advertisement taken less

EGGS FROM PUREBRED.—I won 2 firsts, 2 seconds, 1 third at Regina, 1910. Partridge Cochins, \$3.00 per 15. Buff Orpingtons, Buff Rocks and White Leghorns, \$2.00 per 15; \$10.00 per 100. Barred Rock, \$1.50 per 15; \$7.00 per 100. R. Bigsworth, Chaplin, Sask.

WHITE PLYMOUTH ROCKS EXCLUSIVELY—Winnipeg at Winnipeg Poultry
Show on six entries, five firsts, one second and
all specials offered. Birds and eggs for sale.

Gerrespondence solicited. W. J. Currie,
Lauder

8. C. BLACK MINORCA EGGS \$1.50 per 13 \$3.00 per 30. Also Collie Pups and Yorksh Pigs for sale. R D. Laing, Stonewall, Man

PUREBRED S. C. BUFF ORPINGTON eggs \$1.50 for 13: also Bronze turkeys eggs \$1.50 for 12. Mrs. W. H. Read, Nanton, Alta.

R. P. EDWARDS-South Salt Springs, B. C. Now is your time to buy Cockerels for next spring. Buff Rocks, Rhode Island Reds Black Minorcas, Blue Andalusians, Speckled Hamburgs; also a few early pullets.

ROYAL WHITE WYANDOTTES—The best strain in Western Canada. Eggs, \$2.00 for 15; \$5.00 for 45; \$10.00 for 100. F. W. Goodeve, Stonewall, Man.

BARRED ROCKS—Bred to lay, \$1.50 and \$2.00 for 15 eggs. Mrs. Montague Vialoux. Littlecote Poultry Yards, Sturgeon Creek, Man,

WANTED AT ONCE-A setting of Guinea fowl eggs. Also one young cock guinea fowl. Mrs. G. Spring Rice, Gatesgarth, Pense, Sask.

PUREBRED BUFF AND COLUMBIAN WYANDOTTES, Brown Leghorn and Buff Cochin eggs; equal to most three dollar eggs. Fifteen, \$150; thirty, \$2.50. Jas. E. Sinclair, Stonewall, Man.

JAS. M. EWEN'S SALE

James M. Ewens, of Bethany, reports James M. Ewens, of Bernany, 19 Self-auto-sales of the following Shire mares and a week is paid in wages by the auto-stallions: To Jas. Young, of Newdale, stallions: To Jas. Young, of Newdale, mobile and accessory industries. This the grey stallion, D'Arcy Hearty, a the grey stallion, D'Arcy Hearty, a horse standing 17 hands, with size and immense bone, and one that has proven ployed in the automobile factories. It nimself a splendid sire in England, is estimated that more than 200,000 A. Ramgren, of Scandinavia, has taken the low, thick set bay stallion, Holdenby Tom. He is leaving some excellent the automobile industry for a livelicalts in this neighborhood and will hood. The total annual capacity of prove a gold mine to that district. the plants is 85.000 cars, with a total Hugh M. Dyer, of Minnedosa, has bought capitalization of \$30,000,000. All told the bay colt, Holdenby Farmer. This there are twenty-three factories de-horse will make a name for himself, as voted exclusively to the production he is bred along right lines, his dam of gasoline-propelled vehicles. being a winner and she is by that won-derful sire. Dunsmore Combination. tal value of Detroit-made cars this year will be \$200,000,000. More than \$10. J. Thompson, of Minnedosa, has taken the two mares, Holdenby Rosamond and Holdenby Tidy. They have since and Holdenby Tidy. They have since the city. Sixty per cent. of the national output of automobiles is built. been sold to the Manitoba Agricultural in Detroit, and the city is enjoying the College, where Tidy has dropped a good stallion foal. Capt. Woodiwiss, of Binscarth, gets the two mares, Holdenby Peach and Holdenby Valetta. Reg. Woodiwiss, of Binscarth, bought Holdenby Valetta. Reg. Woodiwiss, of Binscarth, bought Holdenby Valetta. Woodiwiss, of Binscarth, bought Holdenby Melody. by Condendrum and Holdenby Melody, splendid team of mares that will be heard of at the shows this summer. Glasgow Agricultural Society, May 3 They have dropped fine filly and stallion and 4. Ayrshire cattle, as usual, made a foals. Geo. Wilson, of Clanwilliam, splendid showing. In a strong class of gets a team of three-year-olds, Holdenby Vixen and Holdenby Splash, noted Hillhouse Queen was an easy first, In Depote the first program of the stalling of the Jas. Drysdale, of Neepawa, has taken James Lowrie's Sonsie a good second, the chestnut three-year-old, Holdenby and John McAlister's Ardyne Rosie a Debutante. This mare is a little back- close third. In the class for three-year

A CITY ON WHEELS

In Detroit, Mich., one million dollars

At the fifth anual spring show of the



BEAUTY AND UTILITY IN A HOLSTEIN.

ward, but has the very best under- old cows in milk, Col. G. J Ferguson pinnings and should make a good brood Buchanan's Adela, the winner of first in

few days and expects to return about Brown Bess, the first prize three-year-old

ANNUAL MEETING AMERICAN JER- marnock. In the class for cows three SEY CATTLE CLUB

the total number of animals registered Queen II. won first, and Col. Ferguson during the year was 18,679, and the Buchanan was second with his grand old number of transfers recorded during tow, Auchentorlie Bloomer. The Derby the year was 21,930, an increase of the year was 21,930, an increase over for three-year-olds was a repetition of the previous year of 24 per cent. in she three-years-olds-in-milk class, first registrations, and of 29 per cent. in she three-years-olds-in-milk class, has transfers. The total receipts for the econd to John McAlister, third to year were \$68,300, and the expenditures James Neil. In the milk-record class, \$49,196 or \$19,334 lass than the receipts for the conditions of the property of the proper \$49,196, or \$19,334 less than the receipts. The treasurer's report showed assets Queen, whose record is 780 gallons of amounting to \$121,426, and liabilities natural milk, at 4 per cent, and Mr. \$88,938, a net gain March 21st 1010. \$88,938, a net gain March 31st, 1910, of McAlister second, with Perfection, whose \$22,676, and a net gain to the club fund record is 662 gallons, in six and a half of \$111,615 of \$111,615.

sense emanated from a recent issue of year-old Buttercup was the winner. The Wallace's Farmer, of Iowa. Discussing positions in the two-year-old class were the prospects of reciprocity with Can An encouraging glimmer of tariff ada, it remarks, not without a tremor chell's Morton Mains Sensier, the Ayr of apprehension, but with some evidence

ever, when the farmer will have to face class of yearlings, Andrew Mitchell free trade in farm products. He never won first with the Morton Mains-bred has received very much benefit for the last and at Avr. James has received very much benefit from bull that was second at Ayr, James tariffs, and that largely in the second at Ayr, James H. W. BEVAN Duncans, Vancouver Island, B. C., breeds the best strains of registered Jerseys Young stock for sale.

nas received very much benefit from bull that was second at Ayr, James tariffs, and that largely incidental. So he perhaps will not lose much money, son of Spicy Sam, and John Cochrane but it will be interesting to know what he will do with tariffs on what he buys." male champion.

the uncalved class at Ayr, was first here. Mr. Ewens starts for England in a John McAlister had second honors, with July 1st with about 25 young mares in milk at Kilmarnock, and Mr. Neil and some Shetland ponies.

Was third, with Hover-a-Blink, which was first in the in-calf class at Kilyears and over, bred by exhibitor, Mr The 42nd annual meeting of the American Jersey Cattle Club was held in New York May 4th. The report of Sonsie. In the class for cows in calf. President E. A. Darling showed that four years and over, James Lawrie's the total number of animals registered Overs. It was fort and Col. Ferguson-John Drennan had first with Hillhouse

The champion female was Drennan's THE AMERICAN FARMER AND RECIPROCITY

The champion female was broaden to reserve, Lawrie's Queen, and the reserve, Lawrie's Queen II.

In aged bulls, John McAlister's fourof apprehension, but with some evidence of insight, nevertheless:

"It is only a question of time, however, when the farmer will have to five ever, when the farmer will have to five the farmer will have the farmer will have

BREEDERS' DIRECTORY

D. SMITH, Gladstone, Man., Shires, Jerseys and Shorthorns, Yorkshire hogs and Pekin ducks.

GUS WIGHT, Evergreen Stock Farm, Napinka Man. Clydesdales, Shorthorns and Berks Write for prices.

W. J. TREGILLUS, Calgary, Alta., breeder and importer of Holstein-Friesian cattle.

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Breeders' name, post office address and class of stock kept will be inserted under this heading at \$4.90 per line per year. Terms cash, strictly in advance. No card to be less than two lines.

HEREFORDS—Pioneer prize herd of the West. Good for both milk and beef. SHET-LAND PONIES, pony vehicles, harness addless J. E. Marples, Poplar Park Farm, Hartney, Man.

BROWN BROS., Ellisboro, Sask., breeders of Polled-Angus cattle. Stock for sale.

MORRISON BRUCE—Tighnduin Stock Farm, Lashburn, Sask., breeder of Clydesdales and milking Shorthorns.

WALTER JAMES & SONS, ROSSER, MAN. Young Yorkshire and Berkshire boars and sows ready for shipment about first week in June. Price \$10.00 each, including registered

K. McIVER, VIRDEN, MAN.—Shorthorns, a few two and three-year-old heifers for sale at a little over beef price. Three-year-olds in calf or calved. Write for particulars.

VHEELS

ne million dollars ges by the autoindustries. This 8.000 people empile factories. It re than 200,000 dependent upon try for a livelinual capacity of ears, with a total ee factories dethe production rehicles. The to-

ade cars this year More than \$10.automobile plants per cent. of the tomobiles is built ty is enjoying the in its existence. vill last is another ise man who will

GLASGOW

spring show of the Society, May 3 1 a strong class of John Drennan's n was an easy first, ie a good second, s Ardyne Rosie a lass for three-year



ol. G. J Ferguson he winner of first in Ayr, was first here. second honors, with prize three-year-old nock, and Mr. Neil over-a-Blink, which 1-calf class at Kilclass for cows three d by exhibitor, Mr. with Hillhouse vrie was second with ss for cows in calf. er, James Lawrie's Col. Ferguson nd with his grand old loomer. The Derby was a repetition of s-in-milk class, first Suchanan for Adela. McAlister, third to ie milk-record class. first with Hillhouse rd is 780 gallons of per cent., and Mr. ith Perfection, whose ns, in six and a half

male was Drennan's and the reserve,

ohn McAlister's fourwas the winner. The o-year-old class were for. Andrew Mit-ins Sensier, the Ayr winner, was first William second, and ad third. In a large Andrew Mitchell Morton Mains-bred ond at Ayr, James with Special Spice, a and John Cochrane uso, the Kilmarnock

June 1, 1910

A PERFECT SCORE

were made at 300, 500 and 600 vards last Fall at Hythe by Sgt. Major Wallingford, "using a Ross Rifle.

The general opinion of Marksmen in Canada, and in Great Britain as well, is that it is doubtful whether as good an arm as the Ross Mark III can be found anywhere.

If you want your scores to lead buy a Mark III Ross Rifle.

Write for Catalogue, which gives full particulars also of the celebrated Ross Military and Target Rifles, which are recognized to be the finest Military Arm of the day.

The ROSS RIFLE CO. QUEBEC, P.Q., CANADA



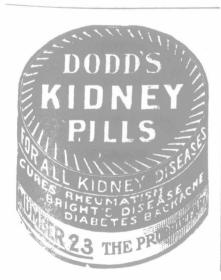
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LEASING OF LANDS

The company is prepared to lease for hay and grazing purposes all reserved quarters or half sections. For particulars apply the Land Department, Hudson's Bay Company, Winnipeg.

BULLETIN ON IRRIGATION

Large wind movement provides a investigations by the Irrigation Service of the United States Department ers' Bulletin (No. 394), entitled, "The totalled at this show 464 entries. Use of Windmills in Irrigation in the Semi-arid West," just issued by the department. The possibility of this is set



out in a simple, comprehensive way, and practical suggestions are made to those who are now using, or are contemplating the use of windmills for pumping water for irrigation. The data given for plants on the Great Plains show, however, that the windmill is not a cheap source of power, that to accomolish the result requires capital, and that if the conditions require too great outlay, it precludes the possibility of such a procedure. The bulletin treats on the sources of water supply, the quantity of water available, well casing, sinking wells, capacity of mills, choice of tower, erection of mills, pumps, reservoirs, maintenance of mills, crops under windmill irrigation, and close with a description of methods and mills nowin use in Kansas, Nebraska, Colorado and California. Copies of the bulle-tin can be secured by applying to the secretary of agriculture, Washington, D. C., to any senator, representative or delegate in Congress, or for 5 cents per copy from the superintendent of documents, Government Printing Office,

YEARBOOKS FOR BREED SOCIETIES

Washington, D. C.

The publication of a yearbook, containing in systematic, tabulated form, information as to the show-yard achievements of individuals in the breed, is suggested by Prof. F. R. Marshall, of Ohio, to those registration societies which now have nothing of the kind. The yearbook of the American Trotting Register, and the performance records of the dairy-breed societies, are referred to in illustration of the advantage of the system, under which the public would more quickly become conversant with the sires of high-class stock. The idea has something to commend it, though it is a question whether the utility of beef cattle, sheep and swine can be so accurately gauged by show-ring performance as the utility of dairy cattle can be by milk scales and Babcock test. At least, this is true of those beef breeds making pretensions to milking quality. Thrift, for example, s a quality in beef cattle which seldom receives due recognition in the showring, where type, depth of fleshing, breed character, handling quality, and other like attributes, command chief attention, almost to the exclusion of growthiness and milking capacity. Indeed, milking quality is often discriminated against. However, so far as the milking function is concerned, there is no reason why a record of dairy per-formance should not be adopted conointly with the record of show-yard performance. Whatever systematizes nformation concerning merit and heredity should prove of service in the cause of stock improvement. The American Hereford, Shorthorn, Angus, Berkshire, and some other associations, already publish in connection with their herdbooks some information such as Prof. Marshall suggests.

THE ROYAL DUBLIN SHOW

The annual spring show of the Royal source of free power for lifting under-ground water, and the results of some Ball's Bridge, Dublin, Ireland, on April 19th to 22nd.

Shorthorns are the prevailing cattle of Agriculture are embodied in a Farm-breed of Ireland, and in numbers they the open class for yearling bulls, Donald Maclennan was first with his Perth Show purchase, Strowan Archduke II., looking fresh, and an easy victor. F. Miller was second with his Birmingham purchase, Prospector, bred by Jolliffe, of Darlington.

In the open class for aged bulls, Geo. Harrison was first with the light roan, Mintmaster (96107), a four-year-old, bred at Uppermill, by John Marr, and got by Violet Royal (90424). He was also awarded the Chalover Plate, as the best bull in the show (excluding year lings). The second prize aged bull was the dark roan, Good Friday, bred by Mr. Hope, and bought at Mr. Barne's sale. This is a great, fleshy bull, and was a strong favorite for first

In the Aberdeen-Angus class the breed championship went to John Mc-Pherson, Keith, for his noted bull, Pherson, Keith, for his noted buil, Eclipser of Ballindalloch, by Jeshurun. The reserve for this honor was Mr. Beaumont-Nesbitt's two-year-old Douro.

- W-H-Y

do the annual sales of Beecham's Pills amount to many millions of boxes?

Why is it that wherever the English language is spoken, the world over, Beecham's Pills are so extensively used and are so highly recommended?

Why is it that in many thousands of homes Beecham's Pills have been the great household remedy for genera-

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owe their great reputation to their exceptional effectiveness in overcoming disorders of the digestive tract. They contain no new or mysterious drugs. They are simply a happy combination of the products of several well known medicinal herbs, the proportions of which have so adjusted to produce unusually helpful results. They contain no Mercury, or other mineral substances, and they are entirely free from habit-forming drugs. They are quickly and freely soluble and do not become hard and worthless with age. They never irritate the bowels or leave them exhausted. They produce normal action, leave the bowels toned and strengthened and do not promote a physicing habit.

The remarkable effectiveness of Beecham's Pills for the relief of Biliousness, Constipation, Dyspepsia and Intestinal Indigestion has gradually extended their reputation from country to country till now they

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Every Farmer Ought to Understand Poofing

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About Roofing" and "The Ruberoid Album."

They tell why roofs leak, how long the various kinds of roofing last when exposed to the weather, how much good roofing ought to cost, and why RUBEROID is superior to every other roofing, considering its long life and low cost of maintenance. Write for these books to-day.

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400 acres of good land, 16 miles east of Cranbrook. The Crow's Nest Pass Railway forms the northern boundary, and a station is on the land. The soil is a gravel loam, well suited for fruit growing. All merchantable timber has been removed, and apart from a few stumps scattered over the land, it is ready for breaking. 100 acres can be put under cultivation at once. Price \$10 per acre, on easy terms

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Have you a neighbor who does not take the Farmer's Advocate and Home Journal? If so, tell him about it and secure his subscription. At the same time remember our generous list of premiums which are published on another page.

Keeps out large Animals—Keeps in the Chickens

We've put strength and stiffness into the PEERLESS JUNIOR Poultry Fence so it can stand the attacks of restless animals from the outside. We have made it close enough so small fowl cannot get through. It is made of much heavier wire than the ordinary poultry fence, well galvanized, therefore much more durable.

Peerless Junior the fence that saves expense

That heavy, No. 9, hard steel wire at top and bottom holds the fence taut and true without the necessity of fence boards and saving more than half the usual number of posts. That means considerable saving to you. Write for our printed matter about PEERLESS Fences. We make fences and gates for every

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We are prepared to double that amount this year. How much of this are YOU going to get?

Have you any CREAM, EGGS or BUTTER to sell?

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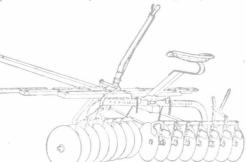
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The original "Bissell" Harrow is built and sold only by the undersigned. It is a special Implement — the product of long experience,

and the original Harrow is away ahead of all imthis Harrow is now a & matter of history. This Disk takes the lead in all the Provinces. Full particulars are free. Write for catalogue, Dept. A.



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Take care of 10 acres of Kootenay Fruit Land for 5 YEARS and it will take care of you for THE REST OF YOUR LIFE

WESTERN CANADA INVESTMENT CO.

WATER STERILIZATION

After a series of experiments, a French scientist has succeeded in constructing a simple apparatus for the industrial sterilization of water. consists of a three-jointed metal ditch or channel, through which runs the water to be sterilized. At each joint is a mercury lamp suspended just above the surface of the water. The channel allows of the passage of a volume of water sufficient to supply a town of 20,000 inhabitants. The experiments were made on Seine water, and as it did not contain enough microbes, the scientists and his collaborators emptied cultures of several kinds of microbes into the water.

Four lamps-were placed at equal distances, the effective zone of each being 32 in. The flow of the water was regulated in such a manner that it was exposed to the action of each lamp during eight seconds. Consequently the total action lasted thirty-two seconds. This is, according to the experiments, double the time required to destroy the baccilli of typhoid, dysentery and cholera. Industrial experiments amply confirmed those of the laboratory. Water which contained per cubic centimetre 5,250 microbes before reaching

the first lamp contained only 3,650 between the first and second. After passing the second lamp the microbes had totally disappeared.

CONFERENCE RE WOOL TARIFF At the last two or three annual meet

ings of the Dominion Sheep Breeders' Association more or less discussion has taken place regarding the status of the flockmasters' industry, in an effort to ascertain the cause of its decline, and, if possible, obtain a remedy by which it would be brought back to its former prominence. The breeders of the province of Ontario have already instituted flock illustration stations, which will furnish facts as to returns to be obtained from the use of purebred rams on fair, good grade ewes. The committee appointed by the Dominion Association, realizing that conditions which might apply to Ontario breeders might not be applicable to all other provinces, after going into the subject very thoroughly, and looking at it from all points of view, came to the conclusion o present a memorial to the Ministers of Agriculture, Finance and Customs, at Ottawa, setting forth more particularly the disabilities under which the wool-growing part of the industry is carried on in this country. It emphasized the fact that, while sheep in the United States, under a protective tariff on wool, from 1870 to 1904, had increased 80 per cent., in Canada, with practically free wool from 1871 to 1905 they had decreased over 30 per cent. It represented that these conditions were undoubtedly largely due to the fact that, while in Canada wool now sells at from 15 cents to 16 cents per pound, in the United States wool of similar staple sells at from 30 to attributed principally to the duty of 12 cents per pound imposed by the United States Government on Canadian wool. Attention was directed to the fact that sheep are beyond question the most valuable of our domestic animals in supplying both food and clothing, in improving and maintaining the fertility sheep should be kept in all parts of the Dominion, especially in the grain-growng districts of the West, where weeds are rapidly becoming a serious menace the country from the keeping of more

Had a Bad Cough

FOR A NUMBER OF YEARS WAS AFRAID IT WOULD TURN INTO

Consumption.

Too much stress cannot be laid on the tact that when a person catches cold it must be attended to immediately or serious results may follow.

Thousands have filled a consumptive grave through neglect.

Never Neglect a Cough or Cold, it can have but one result. It leaves the hroat or lungs, or both, affected.

Mrs. A. E. Brown. Afraid

Ottawa, Ont.,
writes:—"I have had a very bad Consumption.

cough every winter

for a number of ++++++ years which I was afraid would turn nto consumption. I tried a great many

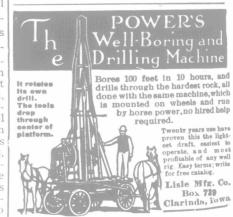
remedies but only received temporary re ief until I got a bottle of Dr. Wood's Norway Pine Syrup and after taking two ottles my cough was cured. I am never without a bottle of Norway Pine Syrup."

Dr. Wood's Norway Pine Syrup is the nedicine you need. It strikes at the

loundation of all throat and lung complaints, relieving or curing all Coughs, Colds, Bronchitis, Asthma, Croup, Sore Throat, etc., and preventing Pneumonia and Consumption. So great has been the success of this

wonderful remedy, it is only natural that aumerous persons have tried to imitate it. Don't be imposed upon by taking anything but "Dr. Wood's." Put up in a yellow wrapper; three pine trees the trade mark; price 25 cents.

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Cough F YEARS. WOULD tion.

be laid on the catches cold it nmediately of

a consumptive

or Cold, it can It leaves the fected.

rs. A. E. Brown, awa, Ont., a very bad h every winter a number of s which I was d would turn a great many of Dr. Wood's fter taking two d. I am never y Pine Syrup. e Syrup is the strikes at the and lung com-ing all Coughs, a, Croup. Sore ing Pneumonia

success of this aly natural that tried to imitate ipon by taking pine trees the

The T. Milburn



et in 10 hours, and same machine, which on wheels and run power, no hired help nired.

Twenty years use have proven this the lightest draft, easiest to operate, and most profitable of any well rig. Easy terms; write for free catalog. Lisle Mfg. Co. Box 739





June 1, 1910

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Plant in Western Canada, and make a

specialty of this class of work.

B. P. RICHARDSON

BARRISTER, SOLICITOR, NOTARY PUBLIC, GRENFELL, SASK.

LANDS FOR SALE lege, as follows:

len manufacturers claim that their industry could not stand the duty asked for. The producers say that without it there would be no revival in sheep breeding in Canada; that wool was the finished product of the sheep-breeder, and as such was as much entitled to protection as the finished article of the manufacturer. Nothing but good should come of this conference, as the government of the day will be in possession of information as to what is best for the two interests particularly affected, in order to deal with them fairly and justly, and at the same time guard those of the

Members from the Sheep Breeders' Association present at the conference were: Col. McCrae, A. W. Smith, M. P., J. Campbell, and Col. Robert McEwen.



WHEN TO TRIM SPRUCE

What time of year is best to trim Ans.—A very effective time to trim spruce hedges is in June, after the new growth is well advanced. Trimmed at that time, the aftergrowth is less than if trimmed early. But for trees, early spring trimming is, on the whole, most

ANATOMY OF THE HONEY BEE

The United States department of agriculture's recent publication, on "The Anatomy of the Honey Bee" (Bul. 18, Tech. Series, Bureau of Entomology) embodies the results of detailed studies and should prove of value as bringing to beekeepers reliable information concerning an insect of such great economic importance, and also as furnishing a sound basis in devising new and improved practical manipulations. The subject has been for years the object of study of many careful students; but the popular demand for information has also induced untrained men to write accounts of bee anatomy containing numerous errors, and illustrated by drawings more artistic than accurate.

All practical manipulations of bees must depend on an understanding of their behavior and physiology under normal and abnormal circumstances, and this knowledge must rest ultimately on accurate information as to the structure of the adult bee.

Following a brief introduction the author first gives a chapter on the "General External Structure of Insects," and then taking up the honey bee he gives a detailed description of the head of the bee and its appendages; the thorax its appendages; the abdomen, wax glands, and sting, and aliment and its glands. He discusses the circulatory and respiratory system, the fat body and the oenocytes, the nervous system and compound eyes, and the reproductive system. The text is profusely illustrated, fifty-seven figures, including a full-page median longitudinal section of the body of worker being used, all but three of which are new and original, having been prepared by the author with a thorough realization of the need of more accurate illustrations of the organs of the bee, especially of

the superintendent of documents, governlibraries and the collaborators of the department with copies.

INSECTS ATTACKING POTATOES

Although insect pests found in the stato patches of the Canadian West



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Make Yourself, Your Family, Your Property, Safe. DODD & STRUTHERS. 453 Sixth Ave., Des Moines, Ia. ter the ground for the winter. Conse- fields are broken up. Since the wire-

Means of Control.—In controlling these insects it is very important, first, to begin to spray early, as soon as any of the eggs are hatching out; and, second, to cover every leaf, so that the young insects may be killed almost as have a chance to do any injury. As in sod longer than two years. hatch at the same time, and as the adult antil the slugs were well grown, and, safe to plant potatoes or any other crop. therefore, much harder to kill than 4. White Grubs.—Large white grubs when quite small, or to not doing thor- with brownish heads and white, almost

The Colorado Beetle.—The most worms are the grub stage of the click familiar of all the insects that attack beetles that are seen flying and crawling potatoes is the Colorado Beetle, or, as around in large numbers early in the it is commonly called, the "potato bug." spring, before most insects have made So prolific is this pest that from a single their appearance. These beetles choose pair in the beginning of the season old pastures or old sod fields to lay many thousands of offspring may be their eggs in, hence the reason for the produced before they are ready to en- presence of the wireworms when such quently, it is no wonder that unsprayed worms remain in the soil as grubs for potatoes are often completely stripped two or, in some cases, three years be-of their foliage and killed. fore changing into beetles, it is not safe to plant potatoes in such soil inside of that length of time.

Means of Control.—There is only one really satisfactory way of keeping a farm free from wireworms, and that is young insects may be killed almost as by making a practice of a short rotation of crops, so that fields will not be left the plants grow rapidly, and produce any reason, a field has been left thus fresh foliage, and as all the eggs do not for several years, and it is desired to break it up, this should be done in the beetles, being hard to poison, continue fall of the year, as fall plowing and to lay their eggs for some time, it will be necessary to repeat the spray once or twice, until the insects are practically all killed. Fither one of the spray of the pupal-cases or freshlyly all killed. Either one pound Paris to sow rye the first fall, or barley next green or three pounds arsenate of lead, spring, and to seed it down with clover should be used with every forty gallons next year take off a crop of clover, and of Bordeaux mixture. Complaints plow down as soon afterwards as posabout the failure of arsenate of lead to control these insects can usually be treed either to lead to the control these insects can usually be the control the control these insects can usually be the control the contr raced either to leaving off spraying fall, and next year, as a rule, it is quite

transparent bodies, almost always curved into a circle or semi-circle, are the larvæ or grub stage of the well-known June beetles, or bugs that fly into the house through open doors or windows in June. Their life history is very similar to that of the wireworms, and, like the wireworms, they not only attack potato tubers, but many other kinds of

Means of Control.—The same means of control should be used as for wireworms, namely, fall plowing, and a short rotation of crops. If a few furrows are run and hogs are allowed to root in it freely, they will often destroy the pest more rapidly than any other known way.

5. Potato Aphis.—In some parts

Use whale-oil soap, I pound to six Flea Beetles.—The potato flea gallons of water or common soap, one beetle is a very tiny black beetle, not pound to four gallons, or kerosene more than one-twentieth of an inch emulsion. Use plenty of pressure, so in length. It has the habit, when disass to drive the spray forcibly against turbed, of leaping from one part of the the insects, and thus make it more cerant to another. In addition to at- tain in its results. Repeat if neces-

of weeds. Its presence can readily be importance sometimes attack potatoes recognized by the numerous little round Such plants are black blister beetles greatly, but also allow the spores of species of cutworms. It is seldom, destructive diseases, like the Late however, that very serious loss is caused

which are very small and white, attack a successful producer of tubers. In part

"pimply potatoes." Do not grow potatoes too long on the Means of Control.—Poisons alone same land, but follow with roots or will not control these tiny insects, but vegetables, or perhaps with wheat, and if the arsenate of lead or Paris green is it is advisable to put 20 loads of manure added to Bordeaux, as mentioned to the acre every two or three years, above, the plants will be satisfactorily Varieties that give best results for late planting are Late Puritan, 3. Wireworms. When potatoes are Standard Freeman, American Wonder 3. Wireworms. When potatoes are planted in soil that has been broken of these the best results have been up from old soil, there will be danger for two, or even three, years of an attack or were fully so — Must reade to the form wireworms—slender, hard grubs, or have wars, cultivate after the form wireworms—slender, hard grubs, warving from about one-third of an inch a house worth \$300,000.

W. W. C. E.Y. The second house with same with the constant one-third inches in length 1 give first place to the Bovee. In lact, and villowish-white to brownish-white there is no variety I have tried that the constant with the constant of the color. These bore into the tubers gives better satisfaction to customers sensed with a logistical part of the cavities out of them. Wire-than the Bovee. It is a good_cropper

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Any person who is sole head of a family destructive diseases, like the Late however, that very serious loss is caused by any of these insects.

Blight, to get a favorable place to by any of these insects.

POTATO GROWING

Last winter at Manitoba Agricultural College an interesting talk on potato beetles. In addition to the attacks of the adults on the foliage, their grubs, culture was given by S. R. Henderson, by the serious loss is caused by any of these insects.

Duties. — Six months' residence upon, and cultivation of the land in each of three years. A homestender may live within nine miles of his homestender may live within nine miles of his homestender may live within nine miles of his homestender and occupied by him or by his father, mother, son, daughter, brother or sister.

Mich are very small and white, attack a successful produced the tubers, and cause what is known he said, as follows:

Do not grow potal Means of Control.—Poisons alone will not control these tiny insects, but vegetables, or perhal in the arsenate of lead or Paris green is it is advisable to put

if the arse added to present the first and the present a quarter-section along homestead. Price \$3.00 per acre, that reside six morths in each of six of the mestead carry (including spotted to carr nomestead patent) at the protected.

3. Wire planted in

ough spraying. Sometimes, of course. failure was due to both causes. The of Ontario, green aphides attack the writer has himself got excellent results leaves and stems of potatoes, and do from arsenate of lead, and knows some much damage to the plants by sucking of the best potato-growers in the coun- the nourishment out of them. try, who use it in preference to any other insecticide. Usually, it seems in the lost of Control.—As soon as the Means of Control.—As soon as the Means of Control.—As soon as the Other insecticide. Usually, it seems in the lost of Means of Control.—As soon as the Other insects are seen, spray the plants thoroughly, covering the under surface of Paris green, but remains on the foliage the leaf, as well as the upper surface.

tacking the potato, it also attacks sary. tomatoes, cucumbers and many kinds 6. A number of other insects of less holes which it eats out of the leaf, leaf-hoppers, potato stalk weevils, These holes not only weaken the plants four-lined leaf-bugs, and occasionally



WORK OF FLEA BEETLE ON POTATO.

1bled spepsia.

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and a good keeper. The Early Ohio is also a good variety, but if planted on sandy soil and there comes dry weather they develop rot. The variety that stands first in report from experimental farm, Brandon, for 1909 s Late Puritan, with yield of bushels. This includes results from nineteen varieties. The total acreage for the province of Manitoba for 1909, according to the reports issued by the department of agriculture, was 28,265 acres, with an average yield of 192 bushels per acre. Putting the price at 35 cents per bushel, which is low, for I did not sell any under 40c., and got 45c. for most of the crop, the total value was \$1,907,570.00. I fail to see why this yield per acre cannot be brought to 250 bushels per acre, or half the yield at the Brandon experimental farm, which would mean to the acreage reported for the past year, 7,066,250 bushels at same price, \$565,617.50 in the pockets of the farmers and gardeners of the province.

The labor required in raising potatoes is not so much as in market gardening, for if the harrow is kept going until it is time to start the horse cultiva tor and then the cultivator is at work, especially in dry weather at least once a week, they will do well. The high-est expense will be in the digging, and those near Winnipeg can get Galician women in any number at \$1.00 per day, although the last two seasons when the rustle of the fall work began they had to be given \$1.25 per day.

Success with potatoes depends upon suitable land, good seed and good cultivation. There are many advantages in being near Winnipeg, or any other large city with a good market. But you will have to cater to the markets; give them the best you can produce, and get special prices from special customers. Give attention to quality give them the right article, and you will be sure of a market at a good price. The value of all foods depends largely upon the perfection of its production and in what condition it is delivered to the customer.

SEED BALLS ON POTATOES

The average farmer has neither time nor inclination to bother with actual seed as occasionally found on the plants in a potato patch. Those who wait to consider plant life, however, will note that it is only from such seed found in what are commonly called potato apples that new varieties can be produced. In the potato line few Westerners are looking forward to a day American Royal, Kansas City, 1909, of renown or notoriety because of the ALL were PURCHASED FROM US. bringing into use a variety that will bringing into use a variety that will prove superior to the popular standard sorts now grown. However, for those who have time and inclination it is a laudable work. It is just possible that potatoes developed from seed originally grown on prairie fields of the Canadian West will outyield standard varieties and perhaps mature earlier and prove more satisfactory in many

In the Balmoral district Wm. Hall for the past few years has devoted considerable attention to originating a variety that will be worth placing on the market. In 1905 he collected about rom potato apples that were found in his patch. These were carefully sown and about a quart of undersized potatoes came in return. In 1907 unsatisfactory conditions re sulted in an increase to only three quarts. The next year he had somewhat over one bushel. They were of various sizes, shapes and colors, but notably smooth. On every occasion great loss was experienced owing to partial neglect or frost. However, the 1908 result was encouraging and in 1909 the crop totalled over 40 bushels. This year Mr. Hall has selected several of similar types and is testing to see which of the many types is most worthy of special attention.

INSTRUCTIONS IN BEEKEEPING—VII A swarm of bees in May is worth a

A swarm of bees in June is worth a

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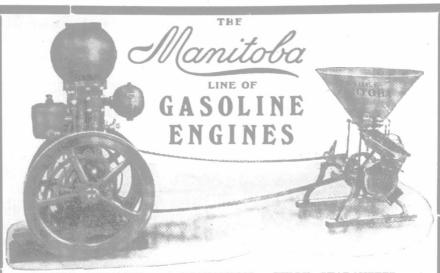
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I have for sale some great, thick, robust, young stock bulls and some grand young heifers ready to breed. I can supply ranchers with bulls of a serviceable age at very reasonable prices. My herd won many prizes at the leading exhibitions in Alberta last season. Imperted Baron's Voucher, a champion bull in Scotland, heads my herd. Write me for prices.

C. F. LYALL

STROME, ALTA.



JACKS FOR SALE

Imported Spanish and mammoth American Jacks, at reasonable prices. I have also on hand some Imported Percheron. Belgian and Clydesdale stallions, a number of prize-winners.

NOTICE—A guarantee goes with every stallion sold, the buyer taking no chances. My prices are right and my terms are reasenable. I will take land or any kind of stock in exchange. All Jacks and stallions have first-class pedigrees.

L. K. PARR, Stavely, Alta. Write me what you want.

PURE BRED YORKSHIRES FOR SALE



12 November sows, when bred, \$25.00 each; 20 April pigs \$12.00 each. This stock is descended from the sow **Snowflake**, first at Dominion Exhibition, Winnipeg, 1907, and from an excellent sow bred by D. C. Flatt. These prices are f. o. b. Neepawa. Can ship via C. N. R. or C. P. R. Write for further particulars.

S. BENSON

NEEPAWA, MAN.

Now is the time to prepare a catalog of your stock. Write to us for prices, giving size and number you require.

time is more or less of a disaster. It is more; it is reflection on the progress of this branch of the science of agriculture. The farmer regulates the increase of all other farm stock; why should he be lax here? Lack of swarm control spells heavy loss to the bee-keeper, great and small. It is the greatest obstacle to keeping bees as a side line with farming or any other business. It necessitates close watching ten hours daily, seven days in the week by a responsible person for nearly two months in the busiest part of the summer. This alone is too big a price to pay, when it can be avoided, but if the price is not paid by watching, it is by loss of swarms, and hay and spoons go sailing away to parts unknown. When the little lambs die in spring it is considered a loss; but when a swarm absconds, the mother sheep has died, and left a suckling which will not grow into much value for a year. and may perish before reaching ma-

Experience, and careful weekly examination of each hive will prevent this loss, and make it possible for any systematic person who has a spare hour of daylight daily, or a half day weekly to keep 30 or 40 colonies at a profit of \$100 or more per annum.

To have any animals really do well, we must care for them for their own sake. Show me a sleek, good-natured team, and I will show you a man who puts a lot of time on his horses simply for the love of it. Success in beekeeping comes by having the same love for the busy little denizens of the hive. One who has it will spend his or her spare time studying their actions at the entrance, or wherever they may be seen. The weekly visit to the interior of the hive will be a pleasure. Conditions and treatment, and results, will be watched with much interest, and noted for future reference in similar conditions.

Bees swarm when they have contracted what we call the "swarming impulse." It is a state of mind, or nerves, or something which we do not well understand, which can be prevented, but is not easily cured before running its course. Certain conditions nearly always induce the swarming impulse, and, once under its influence, Pura Bred Large Yorks and Tamworths the bees of the hive make certain preparations before swarming. Before one can learn to keep bees from swarming, one must learn what these conditions are that cause it, and what preparations the bees make when under its influence. Then, when we find causes of swarming present in a hive, but no preparations yet made, we know that swarming may be forestalled by removing the causes. But if the causes have remained long enough to induce the swarming impulse, and preparations have begun, drastic measures are necessary to remove not only the causes, but the "impulse," and it The Clyde Stallion, Wawanesa almost like trying to break up a sitting hen.'

up the cause of swarming, and how to

HOW TO BEGIN WITH BEES for making "pemmican," "first catch

Get bees near home; have them inspected by a competent, disinterested person. If they are not Italian, buy some queens from a reliable breeder

A better way is to spend a season or two in the apiaries of some successful specialist, or a term at the agricultural college, at the same time getting all the information possible from one's tutor, and from reading standard books and

Catalogues of supply dealers are good reading matter. A small supply of goods can be bought as a first investment, and after that it is best to make the bees pay their way. The following is a good beginner's outfit: Smoker veil, bee-brush, text-book, subscription to bee journal, one colony of bees in 10-frame hive; two extra hives, with queen-excluder and extracting supers for all three; medium brood foundation, and wire embedder.

This is an outfit for the production of extracted honey. I recommend this in preference to a comb-honey outfit, because it is a much easier matter 5-8-c.

pavin Cure



The cure that saves horsemen and farmers millions of dollars every year. It is known the

world over as the one certain, reliable remedy for Spavin, Curb, Splint, Ringbone, Bony Growths and any Lameness. Cases just devel-

oping and old, stub. born sores and swellings readily vield to the wonderful curative powers of this famous remedy.

Orangeville, Ont., Dec. 21, '08 "We had a horse which was getting very lame on account of a Spavin. I was anxious about him as we could not work the beast when we most needed him.

Our teamster saw Kendall's Spavin Cure in the store and tried it.

I am pleased to say he had success as the horse has stopped limping and is doing his day's work."

W. A. NICHOLSON.

Don't worry about Spavins, Growths, Swellings or Lameness, but use Kendall's Spavin Cure. It cures every time. 'The world's best liniment for man and beast,

\$1. a bottle—6 for \$5. Get our book "A Treatise On The Horse," free at dealers or from us.

Dr. B. J. KENDALL CO. Enosburg Falls, Vt. 52

MIDDLETON'S



Stock of 800 to choose from. Prices from \$7.50 up. Inquiries given immequiries given diate attention.

H. A. MIDDLETON, BERGEN, MAN., or H. G. MIDDLETON, 154 Princess St., Winnipeg

Chief, 3211

In our next article we shall take a thick, blocky active horse, girth 7 ft. 1 in., bone below knee 11²/₄ inches, 9 years; sire Jubilee Prince, he by Prince Patrick, champion at the World's Fair, dam, According to the famous instructions or making "pemmican," "first catch sound stock-getter. Winner first, Winnipeg and Brandon, 4th Calgary, 1910.

Also the Clyde Stallion Autonomy, 4802

The former owner of the bees will be able to give the beginner a deal of gratuitous advice on their management.

A better way is to great a new factor of the bees will be out of Eva Charming. This horse has great quality and action, is sure, sound and broken to harness.

Also the French Coach Stallion Mercier, 3543

by Imp. Menos, out of Gulmare, by Perfection, rising 10 years. Three of his get won 1st at Calgary, 1909, also 1st, 2nd and 3rd for best foal of any light stallion. In 1910 his get again took first in Calgary, and his colts won several prizes in harness and saddle classes, both in Calgary and Vancouver, including the heavyweight Hunter championship. This horse is very sure, stands 16.2 hands high with great qualstands 16.3 hands high, with great qual-

ity and substance.

All the above horses are range broken. Price low, or will exchange for horses.

BOW RIVER HORSE RANGE,

e cure that horsemen and ers millions of rs every year. is known the l over as the ertain, reliable dy for Spavin, , Splint, Ring-Bony Growths my Lameness. ses just devel-

g and old, stub. sores and ings readily lerful curative ous remedy. t., Dec. 21, '08 rse which was

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oing his day's NICHOLSON.

bout Spavins, s or Lameness. Spavin Cure The world's 1an and beast r \$5. Get our n The Horse, om us.

DALL CO. nlls, Vt. 52

FON'S is and Tamwerths

Stock of 800 to choose from. Prices from \$7.50 up. Inquiries given immediate attention.

ERGEN. MAN., or rincess St., Winnipeg

on, Wawanesa 3211

horse, girth 7 ft. 1 13 inches, 9 years; by Prince Patrick, Vorld's Fair, dam, A sure and Winner first, Win-4th Calgary, 1910.

de Stallion y, 4802

ess, by McQueen; g. This horse has tion, is sure, sound SS.

Coach Stallion , 3543

it of Gulmare, by O years. Three of Calgary, 1909, also or best foal of any 1910 his get again , and his colts won arness and saddle ary and Vancouver, wyweight Hunter s horse is very sure, gh, with great qual-

horses are range or will exchange

HORSE RANGE,

Cochrane

for a beginner to get honeysized in full-combs than in sections. If the honey is for home use only, or to sell to a few neighbors, it can be cut and used out of the large frames. After some experience has been gained in producing honey in extracting combs, the more difficult matter of producing it in pound

sections can be taken up. The second or third year, if the love for beekeeping holds, a further investment will be necessary for an extractor and uncapping knife, and uncapping can, wax-press, etc.

MORLEY PETTIT. Ontario.



QUANTITIES AND WEIGHTS

Following are the weights of given quantities of food stuffs commonly given to poultry;

One quart of middlings, 1 pound; one quart shorts, 1 pound; one quart bran, 3-4 pound; one quart alfalfa meal, 3-4 pound; one quart rolled barley, 11/2 pounds; one quart wheat, 2 pounds; one quart corn, 2 pounds; one quart beef scraps, 1 1-3 pounds; one quart beef or blood meal, 13 pounds; one quart oyster shells, crushed, 3 pounds; one quart limestone grit, 3 pounds; one quart millet seed, 13 pounds; one quart unshelled oats, 1 pound; one quart charcoal, crushed, 3 pound; one quart Kaffir corn, 13 pounds.

Nothing equals a grass run when chicks are old enough for freedom. The grass or clover is rich in mineral matter. It has acid to dissolve other foods. Chicks like to scratch its roots apart. That exercise gives amusement and strength. There are bugs hidden in those depths. The ground itself moistens and softens feet. Chicks will eat considerable soil, aside from gravel. It acts like charcoal, as a purifier and sweetener of bowels. Good green food for chickens and hens should constitute one of the main parts of their diet all summer. Fowls like cut greens provided in the shade on hot days, but ordinarily prefer to pick their supplies fresh and crisp.

POULTRY COMMENTS

EDITOR FARMER'S ADVOCATE :

Some time ago I noticed an article "Incubating Turkey Eggs," in The FARMER'S ADVOCATE, and as we are raising a few turkeys I would like to eggs under hens and also under turkeys, and found that the turkeys were by far the best sitters, and much better mothers for little turkeys. When the little ones hatched the hens would call them, pick up feed and drop it for them to eat, and this the turkeys did not seem to understand, so that we had to teach them to eat by putting moist bread on the side of the box, in small particles so they would notice it and then they began to pick at it, and thus learned to eat. The turkey hen taught her flock to eat by picking up the food and holding it in her beak at the same time calling them; the little turkeys responded to it immediately. Turkeys hatched under a turkey hen the first of June last year were larger by far in September than those hatched under hens in April. Nature's methods are always the best whether hatching

chickens, turkeys, ducks or geese.

In reading Mr. Golding's article on the "Open-front Poultry House," with muslin curtains, I concluded it was very good, and in our experience with poultry we have used both kinds of Ouses and prefer the medium of both. Liberal discount for cash if you prefer By this I mean having part glass and to deal that way.

Your Feet in a Pair at Our Risk! Will Surprise and Delight You With Their Lightness, Neatness and Comfort Their Almost Unbelievable Durability

We want you to slip your feet into a pair of Steel Snoes—to FEEL and SEE and KNOW how much LIGHTER, NEATER, STRONGER, more COMFORTABLE they are than any other work shoes in existence. Hence we are making this special FREE EXAMINATION OFFER, merely asking a deposit of the price, while you are "sizing up" the shoes. If they fail to convince you IMMEDIATELY; you can notify us to send for them at our expense and we will refund your money.

MUST SELL THEMSELVES We ask no favors for Steel Shoes. Compare them with the best all-leather work shoes you can find. Give them the most rigid inspection **inside** and out. Let them tell their own story. It's no sale unless, of your own accord, you decide that you must have them.

Better than the Best All-Leather Work Shoes Steel shoes are the strongest and easiest work-

There's more good wear in one pair of Steel shoes than in three to six pairs of the best alleather work shoes. The leather is waterproof. The Steel Soles are wear-proof and rust-resist-

They are lighter than all-leather work shoe ney are ugiver than all-leather work shoes. Need no breaking in. Comfortable from the first moment you put them on.
Impossible to get out of shape. They keep the feet dry. They retain their flexibility in spite of mud, slush or water. They cure corns and bunions, prevent colds and rheumatism—save doctors' bills and medicines.

Thousands of Farmers Shout Their Praises The enthusiasm of users knows no bounds. People can't say enough for their comfort, economy, lightness and astonishing durability. The introduction of Steel Shoes in a neighborhood always arouses such interest that an avalanche of orders follows:

always arouses such interest that an avalanche of orders follows.

Here is the way Steel Shoes are made: The uppers are made of a superior quality of leather, as waterproof as leather can be tanned. Wonderfully soft and pliable—never gets stiff. The soles and sides are made out of one piece of special light, thin, springy, rust-resisting Steel. Soles and heels are studed with adjustable Steel Rivets, which prevent the bottoms from wearing out. Rivets easily replaced when partly worn. 50 extra rivets cost only 30 cents and should keep the shoes in good repair for at least two years! No other repairs ever needed! The uppers are tightly joined to the steel by small rivets of rust-resisting metal, so that no water can get between.

The soles are lined with soft, springy, comfortable Hair Cushions which absorb perspiration and odors and add to ease of walking.

OUR THREE CREAT FACTORIES in Racine, Toronto and Northampton, England, Almost Overwhelmed by the **World-wide Demand**

The success of Steel Shoes is almost startling. Within three years we have established Steel Shee factories in Racine, Wis.; Toronto, Canada, and Northampton, England. These great factories. running at full capacity, can scarcely keep up with the demand from all over the world. The public is rapidly learning that Steel Shoes are Good for the Feet!

Good for the Health! Good for the Bank Account! These shoes are better for the feet, better for the health, better for the pocketbook than heavy work shoes or rubber boots.

You Actually Save \$5 to \$10 a Year hy wearing Steel Shoes. Figure it out for yourself. One pair will outlast 3 to 6 pairs of steel," or order Steel Shoes on blankibelow ordinary work shoes. They save all repair bills and keep your feet in perfect condition.

Sizes 5 to 12. Black or Tan Golor.

Steel Shoes, 6 inches high, \$2.50 per pair.

Steel Shoes, 6 inches high, better grade leather, \$3.00 per pair.

Steel Shoes inches high, better grade of leather, \$3.00 per pair.

Steel Shoes, 6 inches high, extra grade of leather, black or tan color, \$3.50 per pair.
Steel Shoes, 9 inches high, \$4.00 per pair. Steel Shoes, 9 inches high, extra grade of leather, black or tan color, \$5.00 per pair.

Merits.

No risk! No bother! No obligation! Don't hesitate! Act while this offer is open! Simply state size of shoe you wear. Enclose the price and get the shoes for Free Examination.

For general field work we strongly recemmend our 6-inch high Steel Shoes at \$3.50 per pair, or the 9-inch at \$5.00 per pair. For all classes of use requiring high-out shoes our 12 to 16-inch high Steel Shoes are absolutely indispensable. Shoes can be returned at ence if ner O. K., and the money will be refunded. Steel Shoes, 12 inches high, extra grade of leather, black or tan color, \$6.00 per pair. Steel Shoes, 16 inches high, \$6.00 per pair. Steel Shoes, 16 inches high, extra grade of leather, black or tan color, \$7 per pair. N. M. RUTHSTEIN STEEL SHOE CO., Dept. 438, Toronto, Can Main Factory, Racine, Wis., U. S. A. Great Britain Factory, Northampton, Eng.

IT IS FAR BETTER TO BE

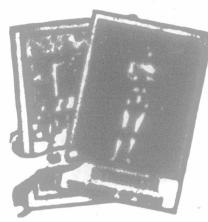
Steel Shoes, 12 inches high, \$5.00 per pair.

An Old Man Who Feels Young

A Young Man Who Feels Old



HERE IS AN OLD YOUNG MAN



HERE ARE THE BOOKS THAT GIVE THE SECRET OF PERPETUAL YOUTH LET ME SEND THEM TO YOU FREE.



HERE IS A YOUNG OLD MAN

Years count for nothing if you have the vitality. You can feel young all your life where there is ample nerve force to back your courage. Let me make you a "HEALTH BELT MAN." Let me supply you with that vim, vigor and manly strength which conquers all obstacles. A man at 60 should be in the prime of life; early decline unfits you for the world's work. I have talked with more than 100,000 debilitated men; the lack of vital vigor is responsible for most failures; you can't command the attention and admiration of women or even men if you lack personal vitality. My HEALTH BELT fills you full of vital force; it strengthens weakened parts; it gives you courage to meet squarely any eyes which may look You become as attractive in your personal into yours. influence as the strongest, most full-blooded man you Thousands upon thousands have been cured by

my HEALTH BELT. Worn nights for two or three months, it sends the continuous tonic current of electricity into your system all the time you are sleeping. No privations, no medicines, no restrictions, excepting that all dissipations must cease. Cures weak back in one night; benefits from first hour. It has special attachments which carry the current to the weakened parts. Used by both sexes for rheumatism, kidney, liver, stomach, bladder disorders, etc. C. Simpson, Pilot Mound, Man., writes: "Your Health Belt restored me to health and strength. Use my name as you see fit." If in or near this city, call and try the Belt in my office, otherwise send for the free book, which explains all and tells you how, for a few dollars, my Health Belt will give you back your manhood. No charge for advice at office or by mail. Use the coupon if more convenient.

FREE UNTIL CURED

Call or write to me and I will at once arrange to let you have the Belt on trial, not to be paid for until cured. No deposit or advance payment. Send it back if it doesn't do the work. DR. C. F. SANDEN, 140 Yonge St., Toronto, Ont.

Dear Sirs,—Please forward me your Book as advertised, free

NAME

ADDRESS ..



Winnipeg Agents: General Supply Co., of Canada, Limited Corner Market and Louise Streets, Vancouver Agents: Fleck Bros., Limited, Imperial Building, Seymour Street



To any man who will mail me this coupon I will send free (closely sealed) my finely illustrated book regarding the cause and cure of diseases. This book is written in plain language, explains many secrets to us should know. It tells how you can cure yourself in the privacy of your own home without the use of drugs.

Don't spend another cent on doctors' and worthless medicines.

Nature's remedy cures to stay cured. You should know about it.

If you suffer from weakness of any kind, rheumatism, lame back, sciatica, lumbago, debility, drains, loss of power or stomach, kidney, liver or bowel troubles, you must not fail to get this book.

Don't wait another minute.

Dear Sir:—I purchased one of your best Belts several years ago for a lame back and I can truthfully say that the first time I wore it my back felt stronger, and in a short time I was completely cured. This was over five years ago, and I have had no return of the trouble since. I have recommended your Belt to others, and will always be pleased to tell anyone the benefit I received from it.—ARTHUR McKAY, Shoal Lake, Man.

Do you doubt it? If so, any man or woman who will give me reasonable security can have my Belt, with all the necessary attachments suitable for their case, and they can

PAY WHEN CURED

Cut out this coupon now and mail it. I'll send the book without delay, absolutely free-Call if you can.

Dr. M. D. McLaughlin, 112 Yonge St., Toronto, Can.

Dear Sir :—Please forward me one of your Books, as advertised.

Consultation free. Cffice hours: 9 a. m. to 6 p. m. 8.30 p. m. Wednesday and Saturday till

part cloth, just as Mr Golding has. I have tried the all-muslin front and find that on cold or stormy days, when the frames had to be down, the chickens huddled together to keep warm and did not hustle around as they ought. was very cold in the coop, and the birds froze their comb in the day time. For best results I prefer as much cloth as glass, making each about one-eighth the front of the coop.

For a temporary coop, lasting two winters and one summer, I built a frame 10 x 30, with posts for corners and in the middle; then 2 x 4 scantlings around the top and enough across to hold the wire up, and barbed wire all across the top, close enough to keep the straw from falling through; also from one end to the other the back and east end. Then we threshed our straw on it and put a door in one end and window and muslin in front, and we had as good, warm and dry coop as one could wish for. Another cheap temporary coop can be made of baled straw, and the straw sold in the LEON B. LOSEY. spring.

HOME PRESERVATION OF EGGS

Dealers in eggs, when they wish to hold them for a time, make no use of preservatives, but simply place them in cold storage. This method is not practicable in the home, however.

"Many methods of packing and preservatives are fee home, when the board is a storage for home." ing eggs for home use have been tried, to quote from an Ames, Iowa, bulletin on the subject, "such as packing in salt, oats or bran; covering them with para-fine, vaseline, butter, or lard; storing on shelves and in racks in cool places; and immersion in salt brine, salicylic acid, water-glass, or lime-water." Of all those mentioned, only two, the use of water-glass and of lime-water, have been effective in keeping eggs for several months. Water-glass is the better preservative of the two, eggs having been kept in a solution of this chemical for three years.
"Water-glass (soluble silicate of

sodium) is a pale yellow, odorless, syrupy liquid, costing usually from 60 to 90 cents per gallon. For use, stir one part of water-glass, by measure, in 11 parts of boiled water, either hot or cold, but must be cool before using.

"Slake three pounds of good quick-lime in a small amount of water, then add the milk lime thus formed to three gallons of water. Keep the mixture well stirred for a day, then allow the lime to settle, and use only the clear liquid.

KIND OF EGGS TO PRESERVE. No eggs that float, or that are dirty stale, cracked, or thin-shelled, should be used. Only those that are fresh, clean, unwashed and sound are suitable infertile eggs being preferred.

Vessels for liquid must not be of metal, or corrosion will take place, but those of either earthenware, glass or wood are suitable. Six-gallon earthenware jars, with covers, holding from 20 to 24 dozen eggs each, are very con-Whatever vessels are used venient. should be first carefully scalded and made sweet.

The preferable method is to fill the vessel used half-full of the liquid, and, to the nervous system and remember as eggs are laid, they are carefully that lasting cure can only be obtained placed therein. There should be at from such treatment as Dr. Chase's least two inches of preservative above

the eggs always. Keep in a cool cellar.
The cost is less than one cent per dozen for the water-glass method, and, if lime is used, very much less than that, even. There should be no attempt to keep eggs over year, but until that time, preserved as described above, they can be used for nearly all purposes in place of strictly-fresh eggs.
Prof. Shutt, of Ottawa, differs some-

what from the American experts quoted above. He prefers the lime-water mixture, and uses but 2 pounds of quick-lime to 5 gallons of water. On the other hand, Prof. Graham, O. A. C., Guelph, favors the water-glass method. more people succeed with water-glass than with lime-water. He would di than with lime-water. He would dilute American water-glass with only seven times its bulk of water, but the English water-glass, which is much thicker requires about twelve times. English water-glass, which is much thicker, requires about twelve times its bulk of water added.

In 1904 Canada exported 5,780,316 dozen eggs, of which 5,679,048 dozen went to Great Britain, and the balance to cities near the border. Last were Besieve. to cities near the border. Last year Recipes.

Backache, Gravel and Rheumatism Vanish Before Dodd's Kidney Pills.

Proved Once Again in the Case of Mrs. Fred Krieger, Who Suffered From the Worst Forms of Kidney Disease.

PALMER RAPIDS, Ont., May 30 (Special).—The thousands of Canadian who live in daily terror of those terrible forms of Kidney Disease known as Backache, Gravel and Rheumatism, will be deeply interested in the story of Mrs. Fred Krieger, of this place.

"I was for years a great sufferer from

Kidney Disease, Gravel, Rheumatism and Backache," Mrs. Krieger states. "It all started through a cold, but I got so my head ached, I was nervous, my limbs were heavy, I had a dragging sensation across my loins, and I was totally unfit to do anything.

"Reading about wonderful cures by Dodd's Kidney Pills led me to buy some. After using a few I found they were doing me good and this encour aged me to continue their use. Eight boxes made me well.

"I have been able to do my own work ever since and to-day I am completely cured. Dodd's Kidney Pills gave me health and I feel like a new woman."

If you keep your Kidneys strong and healthy you can never have Backache, Rheumatism or Gravel. Dodd's Kidney Pills never fail to make the Kidneys strong and well.

the exports were only 558,132 dozen, a decrease of 5,222,184 dozen. Last year Canada imported 1,146,041 dozen eggs from the United States—about 200,000 dozen more than imported in 1904. For the eggs Canada bought in 1904. For the eggs Canada bought in 1904 the United States received \$90,000, and last year \$230,000. The average price paid per dozen last year was almost double that paid in 1904. The changed conditions are due more to an immense conditions are due more to an immense increase in the consumption of eggs rather than to a decline in the industry.

Sleep was **Impossible**

ALMOST DRIVEN TO DESPAIR UNTIL CURED WITH USE OF

DR. CHASE'S NERVE FOOD

No symptom of nervous prostration is more to be dreaded than the inability to sleep. Man can exist for considerable time without food, but without sleep, and the restoration which it brings, he soon becomes a mental and physical wreck.

When you cannot sleep and rest look from such treatment as Dr. Chase's Nerve Food, which naturally and gradually restores the exhausted nerves to health and vigor.

Mr. Wm. Graham, Atwood, Ont. writes :- "My wife had been ill for some time with nervous prostration and we had two of the best doctors we could get, but neither of them did her any good. She gradually became worse and worse, could not sleep and lost energy and interest in life. She was almost giving up in despair when a friend advised the use of Dr. Chase's

Nerve Food.
"From the first box my wife used we
"From the first box my and after using noticed an improvement and after using six boxes she is completely cured and as well as she ever was, eats well, sleeps say too much in praise of this valuable medicine for I believe my wife owes her

goes to the formation of so much rich, red blood and is therefore certain to do

June 1, 1910

and Rheuma. ore Dodd's ills.

the Case of Mrs. Suffered From Kidney Disease.

Ont., May 30 nds of Canadian of those terrible sease known as d Rheumatism ted in the story of this place. reat sufferer from

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558,132 dozen, a dozen. Last year 46,041 dozen eggs es—about 200,000 rted in 1904. For ught in 1904 the ved \$90,000, and The average price year was almost ore to an immense sumption of eggs ne in the industry.

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box my wife used we ment and after using ipletely cured and as as, eats well, sleeps restored. I cannot aise of this valuable :ve my wife owes her

. Chase's Nerve Food ion of so much rich, erefore certain to do

for \$2.50, all dealers; tes & Co., Toronto. opy of Dr. Chase's

BOOKS NEED

AND YOUR

NEIGHBOR NEEDS THE FARMER'S

New subscriptions are what we want and we are willing to give away, free and postpaid, any of these splendid books in order to obtain them.

Give this list your careful attention and you will easily see the advantages of this offer.

THE FARMER'S VETERINARIAN: A large class of farmers, by force of circumstances, are compelled to treat their own animals when sick or disabled. Such farmers should have this book—a practical treatise on the diseases of farm stock. This book will be sent free to any subscriber sending us two new subscriptions to the Advocate, with \$3.00 to cover their subscriptions.

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And, at certain times in the year, the house you live in and the barn nearby is in danger from fire—flying sparks from the threshing machine; sparks from the kitchen chimney; sparks from passing locomotives; sparks from forest fires, perhaps. Farmer's roofs catch fire in many ways-and you are different from most farmer's wives if you do not dread this everpresent danger. You need not dread it at all when the buildings are covered with a seamless steel fireproof Oshawa shingled roof.

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pounds to With the to the square.

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Make the weight test yourself. First be sure the scales are accurate. Then unbox a square of Oshawa Shingles and weigh them. Note that the weight averages 78 pounds WITHOUT THE BOX

Don't go by the box weight. Some boxes weigh fourteen pounds or more.

ON'T stop when you have Oshawa-shingled your roofs. That is only the first step towards making a house modern, or a barn what a barn should be. Go on and plate your house inside and out with steel. Cover the surface of your barn with steel. In a word, "Pedlarize" every building on your farm. This way:

> Make Your House **Fireproof**

Finish the interior of every room in your house with Pedlar Art Steel Ceilings and Side-Walls. These are made in more than two thousand beautiful designs, the patterns stamped accurately and deeply into the heavy and imperishable metal. They cost less than plaster in the first place; and they will be like new when a plaster ceiling or wall is cracked to the danger point - which doesn't take long as a rule. They are easily put in place. They can easily be painted and decorated.

Make Your House Sanitary

Then, if you surface the exterior of the house with Pedlar Steel Siding—it is made to simulate brick, rough stone, cut stone -these Ceilings and Side-Walls and an Oshawa-shingled roof gives you a residence that is more nearly fireproof than the "skyscrapers" of the great cities. Also, such a house will be much warmer in winter than if it were built of solid brick-and so it will save its cost in fuelsavings. It will be cooler in summer. It will be sanitary inside—you can wash the ceilings and walls clean with soap-and-water. It will be a handsome, substantial, and enduring proof of your judgment in choosing the modern building material—steel—Pedlar-made Steel.

Make Your Barns Safe

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