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VT.

August 19, 1908

You surely wouldn't buy an inferior cow.

when you could get a pedigreed Jersey

for the same money? Why should you buy cheap, inferior, imported salt when

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WINNIPEG, MANITOBA

Vol. XLIV, No. 830



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Catalog

Right on Time Right Quality Right on Price

ESTIMATES CHEERFULLY GIVEN . .

The Farmer's Advocate of Winnipeg

SYNOPSIS OF

GANADIAN NORTH-WEST

HOMESTEAD RECULATIONS

Any even numbered section of Dominion Lands in Manitoba, Saskatchewan and Alberta excepting 8 and 26, not reserved, may be homesteaded by any person who is the sole head of a family, or any male over 18 years of age, to the extent of one-quarter section of 160 acres, more or less. acres, more or less.

Application for entry must be made in person by the applicant at a Dominion Lands Agency or Sub-agency for the district in which the land is situated. Entry by proxy may, however, be made at an agency on certain conditions by the father, mother, son, daughter, brother or sister of an intending homesteader.

DUTIES.—(1) At least six months' residence upon and cultivation of land in each year for three years.

(2) A homesteader may, if he so desires, perform the required residence duties by living on farming land owned solely by him, not less than eighty (80) acres in extent, in the vicinity of his homestead. He may also do so by living with father or mother, on certain conditions. Joint ownership in land will not meet this requirement.

(3) A homesteader intending to perform his residence duties in accordance with the above while living with parents or on farming and owned by himself must notify the Agent for the district of such intention.

Deputy of the Minister of the Interior. N. B.—Unauthorized publication of this advertisement will not be paid for.

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HOW LONG HAVE MEN LIVED IN AMERICA?

GOSSIP

AUGUST 19, 1908

On behalf of the (the glacial period). can Ethnology. On behalf of the bureau, Mr. A. Hrdlicka, an accomplished student of human osseous remains, has long been engaged in a and their locations in North America The distribution of the specimens portunities for the discovery of this was from California to New Jersey, link of humanity, if it really exists. and from Canada to Mexico. Most of them have been previously examined and reported upon, but the entire question has now been reconsidered by the most recent scientific Hrdlicka's detailed description of the sion which he has reached.

had been found of the great antiquity way of success in his calling than of man in the Old World, and it was from those who have not enjoyed his thought to be a reasonable theory advantages, just as the world has a that similar conditions might be dis-right to expect more from the life of covered in America. The attitude of the professing Christian than from the bureau, however, has been much the life of one who has made no such more conservative than that of some profession. of our geologists. In the earlier years of the investigation there was college begins the life work of agria marked tendency on the part of culture from the threshold of opporstudents to accept testimony that tunity in advance of the one who has seemed to favor antiquity. Even in not attended an agricultural college, the case of the latest investigations and his achievement, other things berelating to the Lansing, Kan., skele-ton of 1902, and the discovery of re-The graduate farmer has to face mains of the Nebraska loess man temptations that do not come to from 1894 to 1906 some well-known other men engaged in farming. geologists appeared to jump at con- has been pointed to better methods clusions without sufficient verifica- than those usually practised. He is

sions is that in every instance in outlay more than he can afford. If bones of human remains have been curs the outlay, it may involve him provided for comparison, the anto such an extent in financial troubles atomical and physiological evidence that he cannot extricate himself. He bears witness against the geological should put away the temptation and antiquity of the remains and for be content to go slowly. Theories their close affinity to, or identity in farming may be perfectly correct, these circumstances is that thus far want of experience as to the best undisputed geological antiquity are tice. known. This is not equivalent to With reference to the best methods saying that there was no early man of doing things, many things are to in this country, but means only that be learned which can only be learned if early man did exist in North in the school of experience. The America convincing proof of the graduate farmer is also much intact, from the standpoint of physical clined to experiment. This inclinaanthropology, remains to be pro- tion is the outcome of the instruc-

relates to the Nebraska loess man, he were not inclined to experiment. the latest discovery, widely believed There should be moderation, howto afford the strongest proof of the ever, in his experimenting, for all exgreat antiquity of man in America. perimentation is costly. The cost of But in view of Mr. Hrdlicka, these experimental work is one of the reaspecimens only strengthen the consons for establishing and maintain-clusion that the existence on this ing experiment stations. The temp-

the of far-reaching significance add- more quickly shaken with reference ing scrength to the belief that man's to the value of the work done by exinstandardion in America must have periment stations than by witnessseological period. Man made doing their work. opearance in the Old World

gration from the Old World, which could not have taken place until after great multiplication and wide distribution of the human species and the development of some degree of culture. This implies a vastly later date than that which must be assigned to man's origin. A wide dis-The subject of the antiquity of man persion of the race over the earth in America has now been reviewed in could hardly have taken place before Bulletin 33 of the Bureau of Ameri- the later stages of the Cenozoic era

Mr. Hrdlicka believes, however, that there is still abundant stimulus to renewed, careful, and scientifically critical examination of all the finds conducted exploration. A satisfactory demonstration that a geologicalthat have been supposed to indicate ly ancient man existed on this conti-the presence of early man. These nent would be important in the hisfinds include fourteen specimens or tory of the American race and of groups of specimens, from the New mankind in general. He believes Orleans bones discovered in 1844 to that the Missouri and Mississippi the Nebraska "loess man" of 1906. drainage areas offer exceptional op-

SUCCESS OF THE GRADUATE FARMER.

The graduate farmer should not formethods. The bulletin contains Mr. get that the eyes of the farming community are upon him. He should specimens arranged in the order of not think it strange that it is so. their discovery, together with many The measure of their demands, with photographs and the general conclu- reference to his success, may easily be set too high, but they have a Abundant and convincing evidence right to expect more from him by

The graduate of an agricultural

The graduate farmer has to face probably without much means. The gist of Mr. Hrdlicka's conclu- introduce these methods may involve North America, where enough of the he yields to the temptation, and inwith, those of the modern Indian and yet the attempt to practise The only deductions justified under them may bring disaster, because of on this continent no human bones of methods of reducing them to prac-

tion given to him with regard to bet-Mr. Hrdlicka's longest discussion ter methods. It would be strange if type, and of exceptional geological antiquely has not yet been proved."

ting experiment of a distinctly primitive tation, therefore, to experiment in a type, and of exceptional geological way that will incur financial hazard should be put away, for in no way Alt. Hidlicka mentions a considera- can the confidence of the public be place in a comparatively re- ing the failure of the graduates in

The fund of practical information aly during the tertiary period, imparted in such a course of study is ast 200,000 or 300,000 years both large and greatly helpful. The be presents the closest struc- That live stock which are to be fat-That live stock which are to be fattened on concentrated foods should be led up to full feeding is a fact that cannot be gainsaid, and it needs no qualifying. That such concentrates when fed should be so blended as to meet traces of man's appearable investigator says:

That live stock which are to be fattened on concentrated foods should be led up to full feeding is a fact that cannot be gainsaid, and it needs no qualifying. That such concentrates when fed should be so blended as to meet the requirements called for from feeding the roughage calls for the exercise of indument on the part of the feeder, hence the application of that tigth wells for qualification.



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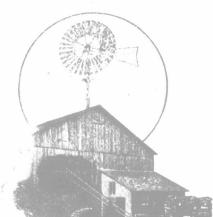
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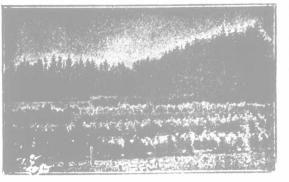
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ISSUED by The Great-West Life Assurance Company affords a better means of investing small sums than any other safe and legitimate method. The Investment is not tied up, but is largely at the Policyholder's disposal, while at the same time the full protection afforded and the accruing advantage remains his.

The Fifteen Payment Life Policies issued in 1892 and 1893 have recently matured, and from the results under these Policies may be judged the value of the Great-West contracts. The circular "ACTUAL RESULTS" shows the cash value of each Policy at the end of the 15-year period. A copy will be mailed to any interested person on request.

The Great-West Life Assurance Company HEAD OFFICE, WINNIPEG



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Maple Leaf Harvest Tool Co., Ltd., Tilsonburg, Ont. who are the manufacturers. None genuine that do not have the Gold Sheaf on the label.

C. DIETRICH, President. C. J. SHURLY, Vice-President. F. D. PALMER, Treasurer. C. K. JANSEN, Secretary

Catalogs and Booklets

MUST HAVE STYLE AND DRESS

You may want something of this nature. Let us build it for you. You will find our prices as reasonable as our service is excellent.

FARMER'S ADVOCATE OF WINNIPEG, LIMITED

man who has not studied may guess Evanston at the rate of 65 or 70 approximately at a balanced ration miles a day. in a given case, but the graduate. Sam's condition at the finish was from the agricultural college can said to be remarkable. His eye was work out the same with the element bright, his coat blooming, and his of uncertainty eliminated. of uncertainty eliminated.

What is more valuable, however, to average pony on the streets of Denthe graduate of the college than ver. knowledge actually acquired is the De ability gained of reaching out to other sources of information. He has found out where to look for the books that he may want to help him further in his work and how to benefit from them when he gets them. so far as he is concerned is written in what is to him a foreign tongue. He does not understand the chemical terms used. The farmer may have a herd book and yet be unable to trace a pedigree to its original sources. Not so the graduate of the These and a host of other things not well understood by many farmers come easy to him.

not the graduate of an agricultural college. The name of these essentials is legion. I shall not even atthese is industry, and the second is

The graduate who is to attain the highest success in farming must farm not seven but twelve months in the The farmer who is idle five months in the year soon loses his grip in the effort for higher attainment. The members of his family also live in a domain that is almost sure to paralyze the highest type of development. It may be all right in the life of a woodchuck to hibernate in winter. It is all wrong in the life of a farmer. The very elements in their sternness in winter are preparing the soil for successful growth.

But there must be economy, as well as industry. No matter how fast one gathers, if the scattering keeps pace with the gathering, it will not avail. The graduate farmer will never be found giving his screening away should he grow them. He will never be guilty of a crime against nature and the state by burning his straw. Nor will he be guilty of the greater crime of dumping fertilizer into waste places to vanish through duction as to husband the fragments lost their reputation. The number of his time. His home will be in the ending their lives in this way watchtower of duty during all the year now is not over fifteen. days of the year.—Prof. Shaw.

THE ENDURANCE OF THE BRONCHO.

While Colonel Spencer Borden and Captain A. H. Waddell are engaged in a controversy in The Rider and during cavalry mount in the world, some little range-bred broncos out on bred look like amateur equine sol-

into the city. day, and the last five miles through than by leaving one of their old a rough canyon was done in the dark coats or a note on the river bank. in 20 minutes. From Laramie to
Denver, 106 miles, the horses
travelled with but three hours' rest. Gourlay, Winter & Leeming have
Teddy lost 100 pounds during the issued a ratalogue telling just how
race, having fed badly all the way, the Gourlay piano is made. It gives right back over the same road to dress free on application.

Sam's condition at the finish was

Den, a sixteen-year-old horse of the trotting type, made a performance equal to that of the winners, everything considered. He was thin when he started, and was slightly sick at Cheyenne, yet was second in the race all the way to within 80 miles The farmer may have a book which of Denver. He lost less weight than treats of fertilizers, and much of it any horse in the race, probably because he had less to lose.

BIG LIVE-STOCK SHOW AT SEATTLE.

Seattle, Wash. is preparing for an immense exhibition in 1909. primary object of the function is to advertise and exploit the resources of Alaska and the American Pacific The essentials to success in farm- coast region; but there will be held ing are the same for the farmer a monster display of live-stock, that graduate as for the farmer who is is, if prize money and energy will get them together. Already an advance prize-list has been prepared which recognizes all the domesticated tempt to state them. Two, how- breeds of live stock, and the prize ever, stand out prominently head and money ranges from \$50 to \$10 over shoulders above the others. One of five placings in the more important sections, and quite liberal awards in other sections. The prize-list, as just issued, is subject to change, hence we feel disposed to suggest that in the breeds of draft horses, sections be made for yeld mares and brood mares, as a mare that has raised a foal is handicapped in showing against a dry mare.

The prize-list for cattle is as complete as could be wished. All the breeds are provided for as fully as at any of the largest shows on the continent. Fat cattle will also be shown in pure-bred and grade sections. Sheep, swine and goats are given liberal inducement to attend. The market for stock on the Pacific coast is destined to be a large one, and winning at Seattle will assist trade on the Canadian coast.

NIAGARA LOSING ITS LURE.

There was a time when Niagara Falls was the most popular summer resort on this continent. The place got a sinster reputation on account of the number of mentally-deranged people who took the fatal plunge to slow decay. He will be as careful escape the burdens of life. But, to gather up the fragments of pronowadays, the Falls seems to have this way each Four have been known to suicide there this year. Practically all leap from the American side. It is difficult, however, to estimate how many do actually end their days by plunging into the Niagara. People, for some weird reason, got the habit some years ago of gaining publicity and Driver as to whether the Arab or notoriety by leaving their coats, or the British racehorse is the most en- a note of some kind on the river's bank as an intimation that they had gone down stream and would return the plains have been doing things no more. They got publicity that make both the courser of the enough, and press reporters gave desert and the aristocratic thorough a newspaper could give. But after the police had discovered, in a good In a race from Evanston, Wyo., to many cases, that the supposed sui-Denver, Col., Teddy and Sam recent- cide was still in the land of the liv-ly covered 560 miles in six and one- ing, they began paying less attenhalf days, doing the full distance at tion to these sad signs, and, nowaan average of eighty-six miles a day, days, somebody has to see the vic-The contest ended in a tie between tim plunging in, or the body must be these two, the authorities halting found before a suicide is officially them 20 miles out of Denver and re-known to occur. Naturally, this quiring them to proceed side by side has put a damper on the suicide busiat a six-mile jog instead of racing ness at Niagara, and publicity seekers have got to find a better way of Teddy knocked off 112 miles in one getting themselves bothered about.

but he came out fresh and fine the a clear understanding of the care exnext morning, and the opinion was ercised in the construction of the expressed by an expert horseman that piano of highest merit made in Can-either he or Sam could have gone ada. It will be mailed to your ad-

Farmer's Advocate

and Home Journal

REGISTERED IN ACCORDANCE WITH THE COPYRIGHT ACT OF 1875

August 19, 1908

WINNIPEG, MANITOBA.

Vol. XLIV. No. 830

EDITORIAL

Our Mis-spent Millions

exhibition purposes and \$300,000 for the health of no ground in national statesmanship. animal's branch, also \$120,000 for the administo Canadian exhibition while the balance is used salvation is necessary to their happiness. to advertise Canada's resources in British and and may be divided under the following heads: \$75,000 of the exhibition appropriation.

or not governments should foster individual industries such as agriculture, railroading, steel manufacturing, lumbering, etc., it is interesting to notice the difference between what we spend on our militia, and what we use to make our is constitution. It is even more important than the country as a basis of its railway requirements, greatest of all industries still more important and type or functional development, for without it and assuming that Manitoba, Saskatchewan and capable of supporting in better condition a these are of little avail, whereas an animal that Alberta are capable of producing 900,000,000 larger number of our population. The appro- possesses strong constitution is almost sure to be bushels of wheat, estimate that something like priation for militia purposes approximates capable of at least some degree of usefulness in its nine times the present transportation facilities \$6,000,000. This and a large part of the hundred particular sphere. ferent public works, bounties, subsidies, etc., is The limitations of every breed are bounded by increase in the need of railway transportation in contributed indirectly by the people of whom the constitution. Within these bounds there is scope the West, the fact still remains that we haven't rural population is the larger part. Is public for a great variety of attainment, from the meager yet attained the most economical route to the sentiment in favor of such a distribution of gov- capacity of the neglected, undeveloped scrub, to world's markets. Nor will the opening of the be advised differently, but if not, our politicians oped, highly-specialized, abundantly-nourished, the grain that will find a market in Europe and should be given an opportunity to know what the judiciously-handled Wisconsin Holstein cow that Eastern Canada. Always there will be a large public thinks. Is it not reasonable that we produced 27,532.5 pounds of milk, and 998.26 volume of grain go east, via the Great Lakes and should expend more of the public money upon pounds of fat (calculated equivalent to 1,247.82 their connections. Hence the demand for the the industry that contributes so largely to the pounds of butter) within a year. Without con- elimination of all possible expense in carrying production of food and life, than upon a social stitution, a strain of stock is capable of but grain by that route. The Georgian Bay canal organization whose object is to destroy life and limited accomplishment, and must sooner or is a national necessity. One of the first duties property?

Some Government Heresies

The establishment of a government poultry farm at Edmonton serves as a text for a protest against the tendency to demand of governments that they shall set an example in certain fields of endeavor which are clearly beyond the sphere of governments. There has been a growing tendency, in many instances amounting to actuality on the part of the public, to reply to government teachers "give us a demonstration," "show as as well as tell us.'

most everything that requires to be done to lacking in constitution, perhaps even tuberculous. would be forgotten in a day. satisfy human desires, from the building of trans- However, the chances are against their perpetuatneglected to adopt any plan whatever, when a for among a delicate breed or strain, while certain (600x60x20 feet draught) to pass from Lake mornel a spreading evil.

t the establishment of experimental farms, tion stock is naturally endowed.

actual constructive fostering of agriculture may strongly intrenched corporations that are in cornerstone of success. be said to amount to about half a million, positions to inflict injustice, but that they should endeavor to afford to each person justice without Experimental farms \$145,000, dairying, fruit partiality, and allow personal enterprise to have and cold storage branches \$125,000, seed branch its full sway. Nothing is so enervating to the \$68,000, live-stock branch \$65,000, and about national spirit as to continually pamper it with across the country have the transportation Without going into a discussion as to whether man so strong as the overcoming of difficulties.

Constitution the Basis of Success

to fix a type or establish a tendency; will not West and the sea ports of the East. suit a great variety of conditions; will not make the best use of its feed, and will not afford a large enough number of individuals amongst which to select and breed for high development, because among the progeny.

Governments have been importuned to do al- throughout a lifetime, even though seemingly concentrate it towards Montreal, the Erie ditch

but we do lay it down as a principle of emphasis upon constitution is the difficulty of dis- be 424 miles shorter to Montreal than the present nment that it is not the duty of the state to cerning it. It is commonly considered that distance from Fort William to New York, via

engage in commercial enterprises, except in the ample heart-girth, allowing liberal room for the management of public utilities, the nature of vital organs, such as heart, lungs and digestive apwhich makes them monopolies. This is a prin- paratus, guarantees constitution. Needless to ciple that should be applied to all commercial say, it does not, although animals of such build propositions that are laid before governments. are more liable to prove robust, for the common-It will serve to prevent undertakings, which, sense reason above indicated. While it is quite from their very nature, cannot succeed as govern-right, in judging stock, to lay much stress upon It will have been noticed that the appropriment enterprises, or which work an injustice. these outward indications of constitution, yet we ations for the work of the Dominion department There is a crying necessity on the part of present must remember that mere size of vital organs does of agriculture amounted to something over one day governments to adhere to principles, and not not in itself insure vigor. Wide, deep-chested million dollars, including an item of \$200,000 for to be carried away by popular agitation that has animals may have tuberculosis, though undoubtedly less prone to it than those of opposite con-The evil of such participation of governments formation. On the other hand, among horses, tration of the meat and canned foods act. We in various commercial enterprises is not simply cattle, sheep and swine, as well as among men, suppose it does not make any particular difference that it is a mal-administration of public trust, some of the spare, tough, wiry ones, with but very which department expenditures of public money but it develops in people a spirit of lackadaisical moderate capacity of trunk, possess a very high are listed under, but the \$620,000 voted for ex-dependence upon government for the solution of degree of vigor and stamina. Constitution is not hibitions and the preservation of the health of problems that they should wrestle with personal-infallibly indicated by build. It cannot be ceranimals and humans should not be understood ly. One of the first essentials in the develop- tainly diagnosed in the show-ring. It is evidas an appropriation for constructive work in ment of a people with strong personalities, with enced most surely by the health, vigor, thrift, fostering agriculture, except that of the \$200,000 grim determinations, resourceful and capable, breeding results, and wearing qualities of the devoted to exhibitions, probably one-third goes is that they work out for themselves whatever herd. These signs the breeder knows better than anyone else, and it behoves him to observe them This does not mean that governments should closely, and to make all possible effort to preserve foreign countries. The expenditures for the abandon the country to the piratical pillage of and increase them, for constitution is the chief

Wanted—A New Outlet

Not even when the C. P. R. was first built governmental solicitation, and nothing makes a facilities exceeded the requirements. Of late years there has been a constant race between railroad builders and wheat producers with the farmers always beckoning to the railroaders to "come on". Many of those who have thought The most essential quality in any class of stock upon the question have taken the production of will be required in the near future. Be this as it Constitution is the basis of success in breeding. may, or even grant that there will not be any government need not the marvellous production of the highly-devel- Hudson's Bay route alone be sufficient outlet for later run to weeds. It will not stand feeding for of the Federal government is to provide the best high development; it will not stand line breeding possible route between the grain fields of the

A Natural Highway

Eminent engineers have pronounced the the judicious breeder will require to reject so Georgian Bay Canal feasible; eminent transportamany animals outright for lack of thrift and stami- tion magnates have emphasized its strategic imna; otherwise, he might expect to find a large portance; eminent financiers profess willingness crop of defects, unsoundness, disease and culls to risk their resources on its construction. Our astute American friends view with misgivings any It is true that some individual animals—dairy move to exploit it. Had they such an opportucows, for instance—may, with care, yield liberally nity to draw traffic to New York as we have to

Briefly stated, the survey calculates that, by continental railroads to the buying of a school ing their usefulness. Weakness of this kind com- the canalization of the Lake Nipissing-Ottawa reader for "Johnnie," and the governments, monly breeds on and on, eventually showing itself River route, a 440-mile waterway could be probeing composed of men swayed by popular imin a preponderance of culls. There are exceptions vided in ten years, at an outlay of \$100,000,000, pulses have been prone to adopt heterodox practo this, as to other rules, but, generally speaking, having a minimum depth of 22 feet, and designed tises and principles. Or, they have frequently a high average of usefulness is not to be looked on such lines as to enable boats of large size of ill-advised measures would have re- it is that the ultimate results which may be Huron, through pond after pond, and channel wrought with a breed, depend very largely upon after channel, to Montreal, the head of ocean do not wish to be understood as protesting the basis of constitution with which the founda- navigation. Starting at Fort William or Port Arthur, this would cut 282 miles from the present carrying on of government experimental One obstacle in the way of placing adequate Welland-Canal route to Montreal, while it would

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Buffalo. Another basis of comparison shows that, from Fort William to Liverpool, via the Georgian Bay route, would be 4,123 miles, or 806 miles less than the distance via New York. As to time of transit, it is computed that the Georgian Bay Canal route would be from one and three-fifths to two days faster than any other existing water route from the Great Lakes to an ocean port, besides having a much greater carrying capacity.

By the time the canal will have been built it is safe to estimate that from one hundred to two hundred million bushels of grain will be ready to move that way (even if the Hudson Bay route is in operation). Estimating a saving of two cents a bushel in cost of carrying alone as compared with the lower route, the amount will be from two to three million dollars which, of course, will not be the earning power of the canal, for freight will move west as well, and each year will witness a constant

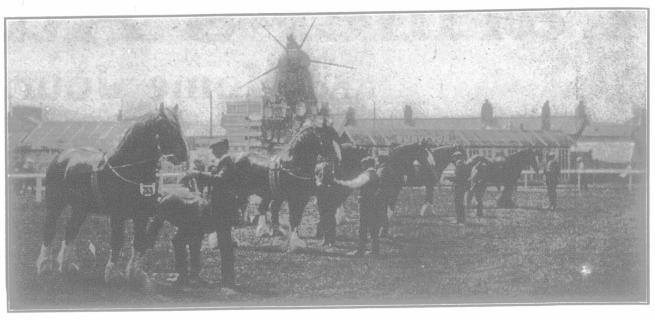
It is earnestly to be hoped that Sir Wilfred Laurier will not be deterred by the criticism of opponents, nor the apathy of friends, from giving effect to his declared belief in this tremendously important link in our chain of direct navigation from Fort William to the sea; and it must be undertaken by the Government as a public work past Windsor, Port Dalhousie and Toronto, but of export trade of the interior continent, much of which now goes to American Atlantic ports. & &



New Blood Needed.

One of the most striking features of the comand those of Scotland and England is the regupionships many years in succession. The chances of producing a worthy champion for show day occasions rather common individuals have carried the honor, yet the breed represented will show steady progress at the end of each decade.

In Canada the horse rings do not contain so many fresh numbers. A champion is generally expected "to hold the honor for two " years at least, and the number of breeders who annually bring forward young things of their own production is quite small. This year, more particularly than in recent seasons. new horses are although the few home bred youngsters and imported Percherons furnished some variety to the show rings. The latter part of 1907, and the early part of 1908, was not a time of activity in the horse importing business. The next horse may be as good an individual as there is in acknowledged as being for all practical twelve months promise to be much better for the breed, but unless he can be recorded in Can- pure-bred, the first move to establish not be overlooked for future shows.



JUDGING SHIRE STALLIONS AT THE ROYAL SHOW.

Importing Percherons.

Only those who are in constant touch with the Society's stud book. At the same time in order improbable. to register this horse in Canada, or to import Society's stud book, which certificate would of foundation stock for the Free ball entitle the horse to be registered in Canada. In Horse Studbook, which is one of other cases, horses recorded in various American kept by the National Records at books may not be eligible for registration in the if anticipations are realized, Canad American Percheron Horse Society's book, and have a distinctive breed of native ho hence not eligible for registration in Canada, and concentrated blood lines, and a really these are the cases to be guarded against. The of equine merit. In fact, these horses the horse trade, but the home bred stuff should ada he is not worth the additional value which attaches to pure breeding.

Making New Breeds in America

Government enterprise in America is tackling —private ownership is unthinkable. The question business, either directly in the all kinds of stunts in the way of breed-making. tion is not whether grain barges shall be steamed trade, or officially concerned in the registration. The United States Department of Agriculture is past Windsor, Port Dalhousie and Toronto, but of pedigrees, or admission through customs, co-operating at present in three distinct lines whether Canada is to win her full share of the vast realize the extent of the inconvenience necessary of breed evolution. Out in Colorado, the State to get free admission into Canada, and to register resources are being supplemented by Federal aid animals, particularly Percheron horses, in Canada. in the attempt to establish an American breed of Every once in a while some one asks us what carriage horses, using the trotter as foundation steps to take in order to get a horse of such and stock. In New England the Washington Govsuch breeding registered. In many of these ernment is co-operating with the Vermont cases there is no way to register these animals in Experiment Station to rejuvenate the Morgan; Canada. Generally they have a certificate of while not to be outdone, the Iowa State College registration in an unrecognized stud book in the besought Federal countenance, and, if we mistake States, and in not a few instances, the horses are not, financial support, in the ambitious attempt eligible for registration in the Percheron stud to develop a new breed of draft horse, to be book of France, or the American Percheron known as the Amgrey, and produced by a blend-Society's stud book. When Percherons are ing of the blood of gray Clydesdales and Shires, parison between reports of Canadian exhibitions eligible for registration in either of these books it with a dash of Percheron to be properly intropossible to register them in Canada, but all duced. Of course it remains to be seen what will larity with which the Britisher brings out new ancestors back to the imported one, in case of come of all these schemes. The last would appear stock in the different classes. True, the new animals brought to the States from France, to be the largest order of the three, and the stock is not always up to the standards of the must be registered in the Canadian record. For least commendable. Horsemen who might otherold, but it is very few horses that can win cham- instance, a horse bred in the States may be re- wise look with favor upon the project do not see corded in one of the different books there, and the wisdom of undertaking to confine the breed hold a certificate from, say, "The Illinois Percherto the gray color. The blending of the two may at times seem slim, and in fact, on some on Horse Breeder's Association," and yet be breeds is in itself a sufficiently difficult task eligible for registry in the American Percheron to render success uncertain and tedious, not to say

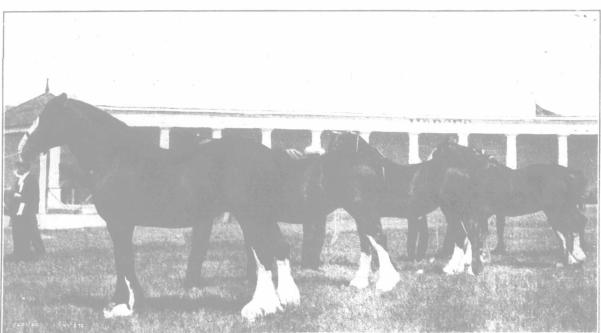
While our American friends are doing so much him duty free, his ancestors would have to be conjuring with the equine race, it must not be carefully traced, and all those bred in America inferred that Canada is behind the band wagon. recorded in the Canadian book, or the animal The Dominion Department of Agriculture has could be recorded in the American Percheron been lending its good offices in a re-inspection having been commenced in 1885. Later province was visited by inspectors, with a view to making a first selection of animals for the records. Last year, Hon. Sydney Fisher, Dominion Minister of Agriculture, proposed the new selection, which has since been made. Thus this distinctively Canadian breed, preserving and systematically perpetuating what blood lines remain of the celebrated old French-Canadian pony, lays claim to a considerable measure of national interest and pride, and it is considered by some that the Canadian experiment in breed evolution is not unlikely to prove the most successful of the four.

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YELD CLYDESDALE MARES AT WINNIE TEXTIBITION Queen Anne, Lady June,

Feeding Milk to Colts

A Manitoba reader asks: "Would you advise me whether or not it is good policy to feed a colt cow's milk, after it is weaned? It is two months and a half old now and eats well.

Any policy that will keep flesh on foals after they are weaned is a good one. Nothing so detracts from the value of a colt as to let him get down in flesh between weaning time and winter, and at no time is good feeding so well repaid. Cow's milk is not of the same composition as mare's, hence one needs to use care in feeding it. Put the foal on it stadually, using new milk at first diluted with about one-quarter its bulk of water. Cow's milk averages about four per cent. fat and mare's about three, and as it is generaly

the fat that causes indigestion its amount should object desired? The farmers, the breeders of live- diseases, the nature of which may be only parmilk will also help digestion. After the foal has sented by the Minister of Agriculture and his been accustomed to new milk he can gradually coadjutor, the Veterinary Director General and the work done. be put on sweet skim milk. Every precaution Live Stock Commissioner. should be taken to feed him out of a clean dish These premises being established and under-

will add size to these two essential features. live-stock trade of the Dominion. grain will generally answer the purpose.

outlined recently the plan which the government ment directed against? has in mind for encouraging English horse breeders to produce army horses. Arrangements will be authorities will purchase horses henceforth at the age of the Department of Agriculture charged with of three instead of five years.

Russia owns the largest number of horses and mules of any nation in the world, the United States coming second on the list with a total of 26,673,000. In this country there are 333 horses for every 1,000 inhabitants and in Russia 247. Argentina has 911 horses per thousand of population, or just about as many horses as men, women and children. France has 95, Germany 75 and the United Kingdom 49 per thousand of population, while Japan has 27 and British India only 11. There are said to be around 100,000,000 horses and mules all told in the world.

English Exchanges say the United States government is buying army horses in Australia. The horses are for use in the Philippines where it is believed they are more serviceable than horses bred in America or Europe. Thus the tables are turned in the trade since England bought American horses for the Boer war.

New York State has voted \$10,000 to the horse show to be held in connection with the State fair at Syracuse, September 14 to 19.

STOCK

Discussions on Live-Stock subjects welcomed.

The Health of Canadian Live-Stock and its Preservation.

industry to Canada is sufficiently broad, will the care taken of the live-stock, either from with the live-stock trade with other countries. irregularity in feeding, lack of exercise, insufficient e. Co-operation should therefore be the tors. Can "tr pec nee affe

Both before and after weaning, a foal should will have in the other the object being, as is well become less irksome, because of the confidence each have a liberal supply of crushed oats and bran. understood and already mentioned, the prevenhim muscle and stamina, and if of draft breeding disease to the development and welfare of the than warrants the expenditures made to date,

colt. Colts that keep it may be naturally easy two objects must be kept in view all the time, (a) ive work. feeders anyhow, but it always follows that they the prevention of the ingress of contagious disease are the best keepers. Brown pastures, warm new or old, through the gateways into Canada, diseases which occupy the attention of the branch: water, no shade, and flies to fight is a combination (b) to prevent the egress, the shipping out of glanders, hog cholera, dourine or maladie du coit, that will take the flesh off, and the spirit out of, diseased animals, or products from diseased anisheep scab, rabies, and mange, also as to almost any colt. On some farms these are diffimals, which would be fatal to our trade in other the disposal of the carcases and the disinfeccult to overcome, but a shed, a well, and some countries, Great Britain and elsewhere. The tion of the premises in which anthrax has occurred The President of the British Board of Agriculture contagious disease are the efforts of the depart- from certain clauses of the Act, are not dealt with

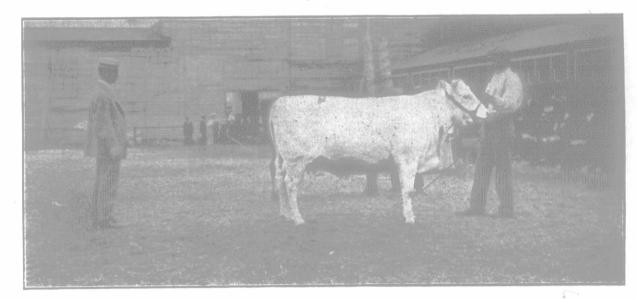
made for the registration of a large number of suitable stallions and mares, probably five hundred and stallions and mares, probably five hundred and and the regulations thereof. (b) The technical tion by the inspectors and pathologists of the ment, viz,—the Animal Contagious Diseases Act affected stock. Other diseases, Pictou cattle twenty-five thousand of each, respectively. In ad- and the regulations thereof. (b) The technical tion by the inspectors and pathologists of the dition to purchasing the stock from these, the army and lay members of the Health of Animals branch branch.

not be large. A little lime water in the cow's stock, the government of Canada, the latter repretially understood. There is also a clerical staff

The technical force is recruited as the needs and to never give sour milk. Two or three quarts stood, it will not be difficult for each party to get warrant from the ranks of graduate veterinarians, three times a day will be all that a healthy colt to the other's point of view, and regulations will who must pass a stiff examination before they can become eligible for appointment. The value of Canada's live-stock and trade in live-stock pro-If the colt is intended for road work this will give tion of any possible hindrance on the score of ducts is large, and is increasing rapidly, and more which are very small in comparison with those of Always make an effort to keep the milk flesh on a In order to maintain the welfare of the trade, other countries doing similar, but no more effect-

> The following are the contagious or infectious two objects cannot be separated, for the one is and the prevention of the exportation of lumpydependent upon the other. What machinery is jaw (actinomycosis) and mange infected stock employed to attain the desired ends and what Actinomycosis and tuberculosis, being exempted by the inspectors of the Department of Agricul-The machinery consists of (a) acts of parlia-ture, beyond preventing the exportation of

(Centinued on page 146).



PROF. CURTISS DECIDING BETWEEN CLARKE'S SNOWBIRD AND DUCHESS OF LANCASTER FOR FEMALE CHAMPIONSHIP AT WINNIPEG.

the administration under the direction of the Minister of Agriculture through the Veterinary Editor Farmer's Advocate:

Director General. Previous 10 1902, the adminstrative work of quarantine and disease control was carried on by the having in view the establishment of a comprethe present Veterinary Director General at the head of a Health of Animals Branch, as a result of which the control of animal diseases in Canada All stockmen and other people whose know- is now centralized at Ottawa. It is only justice ledge of the importance of the live-stock market to say that the new conditions have rendered it possible to deal with the diseased of live-stock in agree that the preservation of the health of ani- Canada in an effective manner and in such a way mals in Canada is of paramount importance, as to inspire the confidence not only of the tax-Diseases affecting animals of the farm may be payers of the Dominion, but also of our neighbors broadly divided into two classes, contagious and to the South, and the skilled agriculturists and non-contagious, the latter in the majority of the scientific men in other parts of the world, a concases being due to a neglect of Nature's laws by fidence which is of material benefit in connection

Under (a) we have given us the legal powers of water, too close confinement, or a diet made up the branch, the duties of owners of animals, of inferior quality forage or grain. These, how-including the penalties for concealing, or failing ever may be dismissed from our minds at present to notify the proper authorities of the existence because they present problems easily solved by of contagious or infectious disease in the animals, individual breeder or feeder, who will only re- the power to order slaughtering of diseased animals, move the cause. It is, however, a different and and the amount of compensation that may be more serious matter when the contagious diseases paid; the power given to the Minister to prohibit are considered, for here the individual can do importations, to determine and declare the limits and must co-operate with others to form of an infected place; to enforce disinfection by a community of interest, if effective work is to common carriers, as well as the powers of inspec-

cry of all interested in the welfare of the Under (b) comes the personnel of the staff of fair-play should a farmer be compelled to look an live-stock trade. I use the word the health of animals branch, which consists of after his neighbor's cattle-for that is what it advisedly, because, unfortunately, some the Veterinary Director General, who is also amounts to. To begin with, the farmer has to never recognize danger, never feel the Live-Stock Commissioner; a corps of veterinary buy his land, or homestead it, which amounts to

The Herd Law Again

I find the correspondence re the Herd Law in your colums interesting, and a trifle amusing lay officers of the Department of Agriculture, especially amusing from Mr. Bradshaw's shortwith the assistance of a non-resident veterinary sighted viewpoint. To quote his own words he inspector. In that year, however, the Minister also "seems to want further light." Had he not mislaid his spectacles when he read Mr. hensive and effective veterinary service, appointed Mundiman's letter he would not have read 'stock-raising' for 'ranching'—anyone will see there is a wide difference, as all farmers go in for stock-raising to a more or less extent, while few, if any, farmers go in for ranching.

In some districts, perhaps, farming and ranching might be carried on side by side, and I believe is, as in the country near the foothills, but where so, why should the expense of fencing be saddled upon the neighboring farmer. The stockmen were, perhaps, the pioneers of some districts, but as for their self-denying public spiritedness in squatting in the midst of a sort of 'no-man's-land' with a bunch of cattle, I fail to see it, or why any special consideration should be given them at the expense of the farmers. And as for opening up a country, that is contrary to a rancher's creed, and if it were not, I may leave it to your readers to judge which would better open up a country, one rancher, or the twenty or more farmers required to settle up his

The whole grievance of the question seems to hinge upon the subject of fencing-who should fence, the rancher or the farmer. Mr. Bradshaw thinks the farmer should fence the grain in, and why in the name of common-sense and British public spirit unless their own pockets are inspectors, some engaged in field work, some as the same thing indirectly, for he must spend. Who must co-operate to obtain the port inspectors, and others as investigators of time labor money, and earn it from the govern-

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oals after othing so et him get nd winter all repaid. osition as feeding it. w milk at s bulk of per cent generalv

ment. Then, not being a squatter like most ranchers, be builds as substantial buildings as he for any class of stock for which records are kept can afford, and equips his farm with expensive in Canada, the pedigrees of the animals must be by the rancher.

builds roads and bridges, schools and churches. Towns follow in his wake, not the drowsy hangerson of the ranching country, but real live business dispute is about.

Mr. Mundiman is right in saying the stockman's business is outclassed by mixed farming, and I fear Mr. Bradshaw's sarcastic allusions to the dog-in-the-manger are more appropriate to the cattlemen than the former. At hort tile and the cates' will arrive in Montreal by the time the former. cattlemen than the farmer. At best the rancher's work is only half done when it leaves his hands; his beef is only half-fat as compared with a stall-fed steer. If Mr. Bradshaw wants reasons why men who have always run a bunch of horses or cattle cannot continue to do so, he can soon be supplied with them. May I ask in turn if the Indians who always hunted this country do not continue to do so merely because the white man came? Why the Hudson's Bay Company do not continue to be the sole traders here? Because civilization creates ever-changing conditions, each successive condition reducing the individual holding of the land, and demanding more intensive measures giving a vastly larger return per acre. When all is said we cannot deny that everyone's living must come primarily Canadian Percheron Horse-breeders' Ass'n. . . . Canada he may monopolize as much as would keep twenty or thirty families merely because he calls himself a rancher, is, to quote an American colloquialism "Damfoolishness

Instead of abolishing the Herd Law, I think it should be revised so as to compel every owner of any stock whatever, to keep such stock inside Dominion Shorthorn Breeders' Association. . . Canada his own fences at all times of the year. It would Canadian Ayrshire Breeders' Association. Canada mean some outlay for fences, but this would be Canadian Hereford Breeders' Association. . . . Canada offset by the resultant benefits. As the law exists French-Canadian Cattle-breeders' Association Canada in any of the following records, an "Import Certificate," at present it is as much nuisance as any thing North American Galloway Breeders' Ass'n Canada issued by the office of the Canadian National Reelse

Grenfell, Sask. JOHN HUBBARD.

subject. Mr. Bradshaw began by protesting Canadian Guernsey Breeders' Association. . . . Canada against herd law in districts that are obviously useless for grain growing, where it can be shown that stock-raising or ranching will give a greater return per acre than grain growing, and it is to this class of land he intends his remarks to Dominion Sheep-breeders' Association. Canada apply. Certainly the only solution to the whole controversy is for each man to fence his own determine whether or not his stock will be adland, but until that can be accomplished some sort mitted duty free, a list of the foreign records the herd law should be considered simply a com- been compiled. These are divided into two promise. It is no use looking for some arrange- groups, the one being those records of breeds in a Sang (French Coach). ment whereby a community of grain growers can foreign country for which records are kept in Landwirthschaftlichen Hauptverein fur Ostfriesprotect their crops in summer and land from Canada, and the other those records for breeds of land (German Coach and Oldenburg). infection in winter without fencing.

Every reasonable man will have patience with the rancher who recognizes the changes in conditions and moves upon land that is not suited to grain farming, and that will not produce enough grain to make it worth fencing, only to be followed by shiftless nomadic farmers who break a little land, get herd law and eke out a bare existence. Also, everyone can appreciate the position of the grain farmer over whose land bands of cattle issued. are permitted to roam in the fall, scattering weed seeds and otherwise damaging his property. The herd law is not satisfactory in all conditions and should be substituted by a better arrangement just as soon as it can be devised. ED.

Importation and Registration of Live Stock

During the past few years Canadian stock breeders, acting in conjunction with the Dominion government, have been endeavoring to of work out a uniform system of registration of pure bred stock and a basis of free admission American National association of Importers and through the customs, of pure bred stock brought Breeders of Belgian Draft Horses. to Canada from other countries. The first step was to decide upon what basis an animal could be considered pure bred; then, after that was fixed by the breeders, an act of parliament was passed which went into effect on July 1st, admitting duty free such pure bred animals that may be registered in Canadian books of record. where records are kept for the breed; or where registered in books of recognized standard in other countries.

This means that in order to get free admission horses, machinery, and implements, not required recorded in the Canadian books. At first sight this may appear a handicap to importers as a It is the farmer, not the rancher, who is the man always brings his stock over from a foreign pioneer in the true sense of the word; he it is who country before he applies for registration, but as all kinds of stock, except horses, are detained for thirty days in quarantine, the registering may be done during that time, and in the case of centers. When it comes to the development of horses prompt service is promised by the Naa country the rancher doesn't know what the tional Record's office at Ottawa. Importers Galloway Herd Book. word means. Of course we all know that there should mail the pedigrees of their horses to the are some districts that are good for nothing office as soon as possible, giving instructions to and American Red Polled Herd Book. but ranching, anyhow, but it is not these that the forward the Canadian pedigrees or an "import certificate" to the Customs office where it is in- Britain and Ireland. tended to enter Canada.

horses are ready to land. Importers from the States will have to take the precaution to allow time for their pedigrees to be examined and re- Herd Register. turned to points of entry along the border. Customs' officers may no longer admit, duty free, animals upon the strength of certificates issued in a foreign country.

The breeds for which records are kept in Canada, and in which animals of these breeds must be registered before being eligible for admission duty free are:

Clydesdale Horse Association of Canada. Canada Canadian Hackney Horse Society...........Canada Canadian Thoroughbred Horse Society.....Canada Canadian Belgian Draft Horse-breeders' Ass'n.Canada French-Canadian Horse-breeders' Association Canada Record Association of Indiana and the Standard.

Cattle-Holstein-Friesian Association of Canada. Canada Swine-

Dominion Swine-breeders' Association Canada Sheep-

In order to assist an importer when buying to compromise has to be adopted. This is all recognized as registering pure bred animals has Draft which no record is kept in Canada. When an animal is recorded in a recognized foreign record man Coach and Oldenburg. all that is necessary is to send his pedigree to the certificate of registration in the corresponding enburg.) Canadian breed record will be issued, which will admit the animal duty free, but where no record chan Marschem (Holstein). is kept in Canada the pedigree should be sent just the same and an "import certificate" will be

The following is a list of the records in other countries that are recognized as reliable in Canada and for which breeds, records in Canada are

Clydesdale Stud Book of Great Britain.

American Clydesdale Stud Book Shire Horse Stud Book of Great Britain. American Shire Horse Stud Book. Percheron Stud Book of France. American Percheron Society's Stud Book. Belgian's Certificate of Societe des Eleveurs Belges

Societe Nationale des Eleveurs Belges of Brussells English Hackney Stud Book

American Hackney Stud Book The French Stud Book. The English General Stud Book

The American Stud Book. The Australian Stud Book Pomes (British)—
Shetland, Stud Book of Scotland
Welsh Perov and Cab Society Stud Book,
New Forest Pony Associa on Stud Book. Polo and Riding Pony Society's Stud Book. Connemara Stud Book.

English Hackey Stud Book.

Cattle— Shorthorns—English Herd Book.

Herefords-English Herefords Herd Book and American Hereford Record.

Aberdeen Angus—Polled Herd Book (Scotland)

and American Aberdeen-Angus Herd Book. Galloways-Galloway Herd Book of Great Britain, American Galloway Herd Book and North American

Red Polls—Red Polled Herd Book of Great Britain

Ayrshires—Ayrshire Cattle Herd Book of Great

Guernseys-Herd Book of the Royal Guernsey

Jerseys—Island of Jersey Herd Book, English Jersey Herd Book and American Jersey Cattle Club

Sheep-

Lincolns, Leicesters, Oxfords, Cotswolds, Southdowns, Hampshires, Dorsets, when registered in the British register or American Record are eligible for registration in Canada and upon acceptance of the pedigrees may enter Canada duty free if the property of a British subject resident in Canada.

Yorkshires—English National Swine Register. Tamworths-British Tamworth Record and American Tamworth Record.

Berkshires-British Berkshire Record and Ameri-

Poland Chinas-American and Ohio and Central

Todds Improved—National.

International-Ohio Improved, Chester White Duroc Jerseys-American Duroc Jersey Record.

Essex—American Improved Essex Swine Record. Record Associations, listed as reliable by the Canadian National Record Board, for breeds for which no Canadian Record exists.

To obtain free customs entry for animals recorded Canadian Aberdeen-Angus Association......Canada cords, is required for presentation at the port of

FOR HORSES.

Suffolk Horse Society (Great Britain).

Cleveland Bay Horse Society of Great Britain and Ireland. Yorkshire Coach Horse Society of Great Britain

and Ireland. American Morgan Register Association American Saddle Horse Breeders' Association.

American Trotting Register Association. Commission des Agriculteurs de France (French

Commission des Stud Book des Chevaux de Demi-

Zuchtverband des Sudlichen Zuchtgebietes (Ger-

Verband der Zuchter des Oldesburger eleganten National Records' office, Ottawa, and a Canadian Schweren Kutschpferdes (German Coach and Old-Verband der Pferdezuchter in den Holsteinin-

FOR CATTLE.

Highland Cattle Society, of Scotland.

Kerry and Dexter Herd Book (Dublin, Ireland). Sussex Herd Book Society (Great Britain). Polled Durham Breeders' Association (United

National Polled Hereford Breeders' Association (United States)

FOR SWINE.

Large Black Pig Society (Great Britain).

FOR SHEEP.

Suffolk Sheep Society (Great Britain).

Kent and Romney Marsh Sheep-breeders' Association (Great Britain)

Cheviot Sheep Society (Great Britain).

Wensleydale Longwool Sheep-breeders' Associa-Blackface Sheep-breeders' Association (Great Brit-

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The information contained above is compiled field of usefulness of the horse. The electric car tirely through the aperture, falls to the ground and at considerable trouble from the mass of regu- was widely heralded one time as the beginning of the either burys into the soil or gets under leaves, straw, and the soil or gets under leaves are strawed as the soil or gets under leaves, straw, and the soil or gets under leaves are strawed as the soil or gets under leaves are strawed as the soil or gets under leaves are strawed as the soil or gets under leaves are strawed as the soil or gets under leaves are strawed as the soil or gets under leaves are strawed as the soil or gets under leaves are strawed as the soil or gets under leaves are strawed as the soil or gets under leaves are strawed as the soil or gets under leaves are strawed as the soil or gets under leaves are strawed as the soil or gets under leaves are strawed as the soil or gets un derstandable as possible and recommend that horseless carriages, as they called them, first came the fat little parasite a luscious tit-bit, but so many generally required will be at hand. We especially Percheron breeding to note the records that are again to the horse. recognized in Canada, and in buying in the in the end there is no doubt but that it will be the best thing for the breed.

Management of Sheep.

In an interesting paper on "The General Manage-In an interesting paper on "The General Management of Sheep," read by Mr. Alfred Mansell at the largely employed. Whether the change will drive remedy, but it requires to be used judiciously. International Sheep-breeders' conference at New-the horse out of business, or only increase the decastle, he said the finest animals could be spoil by bad management and success as a breeder of preferred in the first waging features and support the first waging features are now limed sulphur. Mercurial ointment is an effective ment of Sheep," read by Mr. Alfred Mansell at the largely employed. Whether the change will drive remedy, but it requires to be used judiciously.

The Fermers from over the Line management, and success as a breeder of pedigree inclined to think that the crest of crests in the demand sheep could only be achieved by strict attention to all for horses on this planet has not yet been reached details that made for success, paying particular at- A hundred years from now, it seems to us, horses tention to ensure the health of the lambs after wean- ought to be in as good demand as they are in this ing, so that the best growing period in a sheep's life year of grace, and it will be the same in ten or twenty was not jeopardized by injurious parasites. The years hence or half a century. Motors may come in great object in founding a flock should be to procure and drive the horse out of business in agriculture. a uniform lot of ewes of the same character and type, From the array of agricultural motors to be seen and this could be best achieved by selecting the ewes wherever machinery is tested or exhibited, one stream of settlers that this bids fair to be a record from one or two old-established and carefully-bred would opine that the time is not far distant when flocks. Too much importance could not be attached these little machines will be performing the major to making a "correct start." Possessed of the ewes, part of the farm work for which horses are now emattention should be given to improving the ewe flock, ployed. rather than an effort made to acquire a reputation an object which, though equally important, was more about the matter at all, knows that the present ceneasily achieved and far less costly than ram-breeding, tury will witness some remarkable changes in the to obtain high-class rams. Once possessed of a good We can't always go on increasing our food promoving from the American to the Canadian Wheat ewe flock, exhibiting uniformity of character and type, ducing areas. The limit will be reached sometime. Land. It is a picture that we have become famjudicious mating a long and successful show and saleyard career might be counted upon.

FARM

Comment upon farming operations invited.

Financial Conditions Improving.

late. In this country and the American Repubfor investment in larger quantities than for months, and there is little likelihood of any difficulty arising in financing the movement of the crop, at least no difficulty of any significance is visible. Cheap money indicates one of two things, either there is abundance of capital seeking investment, or else business is on the down grade and capital cannot be profitably invested in it. At present money is plentiful and cheap because trade conditions are abnormally low. There are indications, however, that the renewal of public confidence in many of the securities dumped uncermoniously last fall will increase business and stiffen the price of money. In the meantime there seems sufficient in sight to supply adequately the country's demands for crop moving.

The Horseless Age

Ever since the early part of last century when machinery came into general use as a saver of human labor, and steam and electricity became the power behind the machines in industries, for manufacturnearly every thing else where power of any ould be utilized to perform work, in hauling train driving trains, or propelling steamships; ever since he first steam engine was successfully operated, men ave been prophesying this so-called horseless age al pursuits, seems only to have widened the its body, until finally, when mature it forces itself en- Dakota so closely adjoins Canadian territory that

Ottawa, and we ourselves, are constantly being driven drays and hauling wagons of one kind or stage and lay the eggs for a succeeding generation. asked for the regulations governing a particular another came in to drive him out of business hauling

When motors can be constructed so that they will States to endeavor to have the seller defray the work as economically and satisfactorily as horses, expense of registration in Canada. At first it there may be some chance of driving the latter from work with the same economy of operation.

part of the farm work for which horses are now em-

But a revolution, or more strictly speaking, anas a ram-breeder by extensive showing. The first other phase in the evolutionary progress of agrifew years should be devoted to improving the ewes- culture seems almost due. Anyone who thinks inasmuch as sires suitable for producing good ewes way agriculture is carried on on this continent, and never commanded such high figures as those likely in the world. Farming methods have to change. the greatest difficulty had been overcome, and by Intensive will be superseded by extensive cultivation of the land for two reasons: first, to conserve the soil's fertility and decrease the unit cost of production, and second, to furnish employment for an increasing population. The horse will likely prove as satisactory under the coming order of things as he has under the old. The day may come when he will be superseded in many of the lines in which he is now agriculture will know him no more. -Ex.

The Ox-Warble Fly.

There is still room for considerable investigation stop to ask the why of it. Money all over the world has been easier of in the life history of this insect. Entomologists have spent no little time upon the ox-warble, known to science as Hypoderma lineata, but they are not yet lic a distinctly better financial feeling prevails. entirely agreed as to how the insect passes that farms at a high figure and buy at a considerably Banks have accumulated larger surpluses, the period of its life between the time the female is known lower figure or take up free homesteads, in good natured public, for the first time since last to deposit her eggs upon some part of an animal's Canada. But that does not tell it all. There is a autumn, is showing a disposition to speculate body, and the following season when the grub or certain leaven of dissatisfaction at work. Not again in stocks on margin. Money is available developing larva makes its appearance in a tumor- all the men who move are owners of their farms, like enlargement beneath the skin on the back. Formerly the idea prevailed that the female insect was equipped with a needle ovipositor through which the eggs were deposited underneath the skin of the back, where the grubs are afterwards found. Ento- ive prospect of farms of their own across the line, mologists nowadays, have rejected this theory and a and many of them are able to move with considermajority of them seem agreed that the eggs are laid able ready money. A still stronger magnet with by the female fly about the legs of cattle, licked off, all classes is the superior fertility of the Canadian swallowed into the gullet where they hatch, the larva passing through the muscular tissues to a point just beneath the skin. Here they attain their growth, pass out through the small opening that is always present wherever a grub is found, change into the adult form and are ready to lay eggs again for pro-duction of another generation of their kind. has probably suffered more than any other by

Whatever the life history of this insect is, it certainly is a source of considerable annoyance and loss to cattle owners. No computation that we know of, has been made, showing the damage done by the insect on this continent, but a careful estimate made by a prominent English scientist, some years ago, placed the early spring and summer, when the grubs are developing and cattle suffering from the irritation caused by the insect's growth beneath the skin.

The grub as it exists beneath the skin reposes in a sac which it very nearly fills. Its anal extremity experience what awaits them. points toward the aperture with two spiracles or e age when horses would be used no more. however, that era seems but little closer than the animal's blood and by the pus which the irritation of numbers, Minnesota, North Dakota, Iowa, of its presence occasions. When the "bot" is full ion, or invention, that has been made to ingrown it begins to enlarge the opening to its quarters South Dakota and Nebraska; these are the sources he usefulness of steam, gas, or electricity in by pushing outward the last two or three segments of of the so-called American invasion. North

lations and rules for the registration and entry end of the horses' reign. But electric railways have etc. It remains in this situation for twenty-five or of pure bred animals. It is not expected that pushed out all over this continent, all over the horse-thirty days during which the processes are going on the full purport of the matter will be perfectly dising world, in fact, and horses are in better demand after the electric revolution in motor power than the graph runs a long chance of being destroyed after the electric revolution in motor power than the graph runs a long chance of being destroyed after the electric revolution in motor power than the graph runs a long chance of being destroyed after the electric revolution in motor power than the graph runs a long chance of being destroyed after the electric revolution in motor power than the graph runs a long chance of being destroyed after the electric revolution in motor power than the graph runs a long chance of being destroyed after the electric revolution in motor power than the graph runs a long chance of being destroyed after the electric revolution in motor power than the graph runs a long chance of being destroyed after the electric revolution in motor power than the graph runs a long chance of being destroyed after the electric revolution in motor power than the graph runs a long chance of being destroyed after the electric revolution in motor power than the graph runs a long chance of being destroyed after the electric revolution in motor power than the graph runs a long chance of being destroyed after the electric revolution in motor power than the graph runs a long chance of being destroyed after the electric revolution in motor power than the graph runs are graph runs at least runs and the graph runs are graph runs at least runs and the graph runs are graph runs at least runs and the graph runs are graph runs at least runs and the graph runs are graph runs at least runs at l clear upon the first reading, but we have endeavored to make the subject as concise and un
It has been the same in everything else.

When the before it can burrow into the soil, and birds esteem

When the before it can burrow into the soil, and birds esteem this article be preserved. The authorities at out, the horse for sure seemed doomed. Motor are produced that some always survive to the adult

The only effective means yet devised for attacking case, and if this is kept the information most road vehicles. But the motor drays have had their this pest is to destroy every grub that appears on the day, and now from London, where they have been animals and allow none to escape to the soil and promost extensively tested, comes the word that owners duce the adult form. If it were possible to systeadvise those of our readers who are interested in are selling off their motor drays and going back matically destroy the grubs in the spring the fly pest would be diminished in proportion, and finally, if properly carried out, would lead to the extermination of the insect altogether. But unfortunately, every stock owner cannot give strict attention to such will work considerable inconvenience to breeders the field, but up to the present, engines of no kind business. With some, such a course is impracticable, of Percherons to secure Canadian certificates, but have proved so satisfactory as horses for the work while others who could attend to such matters have horses ordinarily do. They are too heavy or too the notion that the parasite is doing their stock no light, they are not so certain as horse power, they particular harm at all, in fact, some are fatuous cost more to begin with, lack durability, and do not enough to regard the presence of the larva as proof that their cattle are thriving. A common plan of There is not the least doubt, dowever, that we are destroying the maggots is to plug the holes with a on the verge of a mighty change in the matter of mixture of ten parts wagon grease and two parts sub-

The Farmers from over the Line

By Aubrey Fullerton

There must be a lure of the Canadian West, a drawing power that brings people even from other good countries, for from across the border there has been coming for months now so steady a year in American immigration. To be sure the people from the States have been moving over for years, but there are more of them this season; and they are going farther from the border; which proves, since the country they are leaving behind them is more than ordinarily good, that there is something this side of the line that has rare drawing power. It is the lure of the Better

We are used enough in the West now to this Land. It is a picture that we have become familiar with through having so often seen it, though it never loses its interest. As seen from the other side of the border, however, the picture has quite a different phase. From there it is a going, not a coming, and it is by no means so welcome a sight.

Why they have come, what discontent moved them or what visions of future good fortune, what employed, but the time is surely dimly distant when hopes and fears they had, what preparations they made, what they expected to find—these are questions that, if they could be answered, would reveal interesting history. The people come to us and we welcome them, but we do not often

Speaking generally, the farmers of the Western States move north because they can sell their own but rent them at four or five dollars an acre, paying all working expenses in addition to their rentals; these renters yield readily to the attractsoil; Minnesota's average is twelve bushels an acre, Manitoba's twenty-one. The difference makes it worth while moving.

Iowa, one of the best farming states in the West appears to attract more than corn; and so when people began to leave the Dakotas and move across to Manitoba, a movement set in from Iowa to take the vacant places in Dakota; but now the Iowans themselves are going to Canada. Minnethe loss to British farmers at \$3,500,000 per annum. sota is a wheat country, settled by a thrifty Ger-Certainly its ravages are no less severe here, as any man and mixed element, including some former one knows who has anything to do with cattle during Canadians who went from the eastern provinces in the early exodus days. It contributes to the movement a good class of sturdy, industrious farmers, trained to prairie life and knowing from

The immigration of a single year included breathing pores placed towards the opening. The colonists from every state in the Union except

TUJI MICKU SKIELIA

campaign for settlers is carried on.

tion office for these two states at St. Paul, which, ing, and investigating is that from forty to fifty with ten railroads radiat in ginas many directions, thousand settlers cross the line each year. And is second only to Chicago as a strategic centre, they are, as all Canada knows, good settlers. Occasionally, too, a settler comes up the Missis- They are, many of them, moneyed men, too. The sippi. A steady stream of northward bound sale of their lands puts ready cash in their hands, colonists passes through St. Paul, whose import- and the majority take from \$3,000 to \$10,000 with ance in Canadian eyes consists in the fact that them to Canada. One Minnesota man took \$38,

converted to the Canadian idea, is a process as moved north in March, 1904, with eighty cars ingenious as it is effective. In theory and pract of settlers' effects, and an estimated capital of and gasoline. Every politician who goes before tice it is essentially missionary work on a business \$430,000. It is particularly noticeable that both basis. For several years Canada has been carry- in personal quality and worldly goods, this year's ing on a national publicity campaign in the immigrants, from Minnesota and Iowa especially, United States that places her among the leading are above the average. advertising agencies in America.

office, for instance, has an importance. With pleasing to the State authorities. A few years St. Paul as an example again, the office is a ground ago one of the Minnesota senators called attenday or night they are confronted by a window but it attracted considerable attention and proved Others also note this condition.

It draws well, for many stop to inquire. display of grains and vegetables from Manitoba where in the West. ask questions about.

they are the busy, thrifty people who have the Canada. In one section of southern Minnesota cropped too much to one kind of crop. makings of the best settlers. Their interest is several families, after disposing of their land, Summer fallows, to a certain extent, rest land, first challenged by advertisements in their farm waited for thirty days for cars in which to move but summer fallowing without adding manure, is used throughout the United States.

the winter months they hold public meetings, at immigration traffic. which are shown lantern pictures of Canadian farms and homesteads. Nothing is quite so effective with the farmers, along these lines, as 'what-he-did-you-can-do' argument.

him. She saw, was convinced and converted, as the essentials in cultivation, and no doubt and last spring they moved their family and their winter wheat growers will follow the preaching as goods to Alberta. Which goes to show that a nearly as circumstances will allow and what is woman convinced by her own eyes makes a good more necessary still, make circumstances allow it. settler,

Just such inspection visits as this, with or without their wives, are made every fall by That the cause of denatured alcohol for farm numbers of prospective settlers. They have power purposes is making headway is illustrated been thinking of moving north, but it is a big by the action taken by the U.S. government in for hogs? They are more easily handled, and the venture and they wish to know something of its apprepriation for the National Corn Show at hogs like them better. If anyone has had exthe country at first-hand before finally decid- Omaha next December. The appropriation is perience with both potatoes and mangels we ing and so, when the slack time comes after har- not specifically set forth in the agricultural bill would like to hear it. Of course with potatoes vest, they buy excursion tickets to Manitoba and as was originally suggested, but is taken care of there is a chance of selling them if the market is

simple matter; southern Minnesota and Iowa are one of their number a delegate to spy out the \$725,000 carried by the house bill to \$810,000, of more truly typical of immigration conditions and land for them all. The chances are that as an out- which \$10,000 is to be used by the Department of afford perhaps the best example of how Canada's come of this inspection one or more families will Agriculture for demonstration purposes at Omaha. move north the following spring.

The Canadian Government has a joint immigra- The net result of all this canvassing, questionit is the chief gateway to the Canadian West. 000; another from Nebraska had a bank account How these people from the Western States are of \$100,000; and 262 men from the latter state

Naturally, this flitting across the border, while of the product. Such a thing as location of the immigration very satisfactory to Canadians, is somewhat disdisplay of Canadian grains, judiciously labelled. a very effective advertisement for Canada. The

Alberta's Winter Wheat

The winter wheat crop in southern Alberta the picture of the prosperous home of a man who is of such a volume this year as to indicate that EDITOR FARMER'S ADVOCATE: had moved to Canada from their own or a near-by it will be a staple in that part of the province. community a few years before; it is a conclusive The area over which winter wheat has been grown is quite large and the yields that are coming from But with all this sowing of the seed, it sometimes the thresher are uniformly satisfactory. The takes a long time for the fruits to show. Results, climate of southern Alberta is such that wheat in the form of actual moving, have come only this that has a good stand in the early spring when year from inquiries and canvassing made first cold dry winds are liable to prevail will be in a some six years ago. A poor harvest sometimes position to go on and give a good account of itself postpones the possibility of moving for several before the end of July. But winter wheat to years. And again, if the truth must be told, a amount to a big crop should be sown early. common cause of delay is the disinclination of the August is the month when the seed should be farmer's wife. About five years ago an Iowan, gotten in, and the better shape the land is in for who had been attracted by some immigration seeding, the better will be the crop. Some good literature; decided to go to Canada, but his wife results have of course been got from September flatly refused to live in "a country frozen up most sowing, but in grain growing, if a thing is worth of the year." The following summer he went to doing at all, it is worth doing well, and all the see for himself what the country was like, and extra spurt possible should be made to get winter returned enthusiastic; but his wife was still un- wheat in early, and the land well worked before willing. Last year he made another tour of and after. Deep plowing, thin packing, then inspection, and this time he took his wife with surface working have been preached in Alberta

Power Alcohol to be Tested

Alberta, and take a fortnight's holidays. Now in the general appropriation for the bureau of good, Ed.)

a move across the border is a comparatively and then a group of neighboring farmers appoint chemistry. which has been increased from

At the suggestion of Secretary Wilson, who enthusiastically endorsed the purposes for the forthcoming corn exposition, the amendment to the paragraph relating to the bureau of chemistry was adopted as follows: "To demonstrate and illustrate methods for the making of denatured alcohol on a scale suitable for utilization by the farmer, or association of farmers.

This is one of the things Canadian farmers should work for. Cheap fuel in the shape of alcohol would mean a big saving on every farm, as it would tend to regulate the price of coal oil the country should have some opinions on the subject of denatured alcohol and should be able to intelligently back them up. He should also endeavor to interest capital in the manufacture

What Some of Our Land Needs

Every observant visitor to the west, who is at floor one, near the railway station. Numbers of tion in the Senate to the immigration campaign all conversant with farming affairs, notes the diftravellers, coming from the station or going to it, being carried on in behalf of Canada, and asked ference between the crops on well farmed land pass this office at all times of day and night, and for some measure of restriction. It did not carry; and those on land that is simply cropped.

Commonly we say of land that is beginning to idea seemed a good one, and the next year an show the effects of wear that it has been "worked Names and addresses are taken, and literature is interested landowner endeavored to lobby another too hard," but in reality it has lost "heart" afterwards mailed to them, at intervals. A sim-senator to repeat the motion; but the Senate was because it has not been worked enough. To ilar means of creating interest is the fair exhibit. not to be caught again. Since then the legisla- the man who has an instinct for detecting various For the past twelve years the department has ture has been blind, on policy, and were further conditions of the land, the "thinness," shallow-made attractive exhibits at state and county fairs action to be attempted at any time it would ness, and general poverty of the top soil on many throughout the west, with good results. The receive doubtful support because of the fact that farms is striking. There is too much land that most important of these exhibits is at the Minne- not a few of the senators are themselves interested has simply been worked on the surface, that has sota State Fair, an annual event modelled after in land speculations in Western Canada. One, been plowed so often at a certain depth that the the Toronto Exhibition, and second to it, the for instance, not only owns a section of land, but soil on top is different in texture and color to that largest on the continent. The Canadian exhibit has sons, brothers, and nephews, to the number lying just below it. Clover has never been grown at the Minnesota Fair is made up of an attractive of nineteen, already settled and at work else- to bring up from below the mineral elements of plant food that leak through, nor to add to and the Northwest, which people see and stop to More aggressive opposition is being shown by the store of nitrogen, nor to replenish the supply some of the railway companies whose interests of vegetable matter, to help in holding moisture It is one thing, however, to interest people when lie in the development of the southwest, rather and giving the land a better texture. Neither they come to be interested, and quite another than the northwest. In some cases it has been is tame grass sufficiently grown to freshen up or thing to reach them in their own homes. The even thought necessary to counteract the Cana- rest up soils tired of grain growing. In fact the farmer who does not visit fairs and and cities dian campaign by the old frozen-north cry, in man with the instinct for good farming in looking must be appealed to by a different kind of pub- contrast with the 'golden sunny south' and there over most of the land that has not produced a licity. And after all, these are the men whom it have not been wanting instances in which certain fair average crop this year in the districts where is most important to reach, for the chances are, railways have wilfully delayed freight billed for the rain fall was normal, will simply say it is

or local papers, some eight thousand of which are their effects. Failing even then to secure the like putting a hungry man to bed with an empty cars, they were forced to go back to the country stomach; he will feel better when he gets up, but The personal canvas comes next. At certain and rent farms for another season, postponing he won't stand work very long. What a lot of seasons the immigration agents drive into the their move to Canada till the next year. Usually our land needs to renew its strength, make it country and talk Canada wherever a willing however, the railroads are anxious for the business drought and even water resistent, to kill weeds and probable settler is to be found. In the winter months the settler is to be found. In of crops that will open up the subsoil and bind the surface soil.

Quick Planting of Potatoes

Having devised a quick way to plant potatoes I thought I would tell you of it. I arranged a box on top of a sulky plow to hold the seed and then hung a stove pipe to convey them to the furrow, and by having a good steady team we can go right along. Then we follow with a common walking plow and turn two furrows on top of them, which makes three furrows between each row. We cut and seed in the following manner: I made a box 8x10 inches square and put knives across the bottom $1\frac{1}{4}$ inches apart and arranged a lever on the same principal as they cut curd in a cheese factory. We throw the whole potatoes into this and pull the lever. By taking a little time and placing the long potatoes across the knives it will do a good job if you are not too particular. One man can cut one hundred bushels of seed in one day and they are all right as we have a fine crop of $4\frac{1}{4}$ acres. We are going to feed them to the pigs. I might add that to grow potatoes in this manner the soil wants to be dry and loose, or if it is heavy it should be covered with coarse manure and plowed in to keep it open. After cutting seed, let them lay at least twentyfour hours to dry, care being taken not to pile them up so they will heat, or they will not grow.

D. E. COLLISON. (Why would it not pay better to raise mangels

DAIRY

Cows of mature age lower the average production of a herd just as often as heifers. Many cows are kept too long. If a dairy herd has a for fifteen or twenty minutes, and then cool as rapidly the average, and others much above it.

Oregon cannot yet be considered a dairy State, but during the past year or two her farmers have

making tests as to profits in selling dairy products as milk, cream and butter. This test shows that cream is one of the most profitable forms of sale, when 20 per cent. cream can be sold at 50c. a gallon, and even at this low price returns 23½c. per pound for the butter in the milk, besides leaving the skim milk for use on the farm. cream can be usually sold for more than 50c. per gallon. It appears that milk shipping is ordinarily more profitable than butter. Thus 12c. per gallon for 3½ per cent. milk is equal to 23½c. per pound of butter, while at 15c. per gallon for 3.6 per cent. milk the butter is sold at 32½c. per In selling cream at 70c. per gallon, the price obtained is equal to 33c. for the butter, but creameries never pay this amount, and no homemade butter brings any such price, except for a very few gilt-edge makes.

The farmer who is not able to join a cow-testing association, or to have samples of his milk tested for fat, need not be deterred from keeping a record of weight of milk only, for the information such a record will give him will be found very useful in determining the relative value of

George P. Grout, B.S.A., formerly of Parkdale, Man. of the University of Minnesota to the position of Assistant in charge of Dairy Bacteriology.

Ontario Agricultural College, a Holstein which has produced 2,522 pounds of milk in 30 days, within 500 pounds of the average annual production of In 7 days she gave us cows of Ontario and Quebec. 643 pounds and in one day 96 pounds of milk. If we had cows like that there would be no trouble about having plenty of milk to drink. A man cannot afford to keep cows that produce only 3,000 per cent. fat.

The relative amounts of cream and skim milk which come from the separator are determined by the rate of the inflow of the milk, speed of the bowl, temperature of the milk and the adjustment of the . cream or skim milk screws. The larger the volume of skim milk entering the separator bowl in a given time the thinner the cream; the greater the speed for to the center of the bowl the richer is the cream; the larger the opening for skim milk (in case of a skim milk screw) the richer the cream.

Pure milk agitations are of periodic recurrence. Generally, early in the summer, increasing infant mortality directs our attention to the milk supply, lingers along rather later in the fall than usual there isn't much talk of impure milk after October or November, and milk users have six or seven months Then trouble begins again. Indignant purveyors of milk are requested to clean up. raged cow owners submit to the humiliation of having their bovine possessions examined and tested for all manner of disease. Doctors hand out interviews, ays of figures, said to represent the number of case producing organisms found in something than a quarter of a teaspoonful of milk. All which is disconcerting, not to say alarming, to the age head of a household and father of a family

Sterilized Milk

Where skim-milk has to be kept for some time after between 160 and 170 degrees, F., hold it at that point permit, holding it at a low temperature until some individual cows in the herd must be below facilities at hand will enable you to reduce it.

Heat up a pan or can of water to this temperature as the cooling the description of milk, it follows that as possible to as low a temperature as the cooling the up a pan or can of water to this temperature and place the vessel containing the cream into as important in this process as the heating. The including the ferment that causes ripening, and gone rapidly into dairying. In the year of 1907, organisms producing fermentation and the formation if a temperature low enough can be maintained the cream will hold several days without souring. over \$17,000,000 worth of dairy products was produced. If, in the next ten years, the increase of dairy products is as great as it has been in the past five, Oregon will rank among the leading dairy States of the country.

The Maryland Experiment Station has been in that the heating will be of very little avail. If a man has a good cool without sterilizing at all. If a man has a good cool is little danger of affecting the cream injuriously.

The Maryland Experiment Station has been in the next ten years, the increase of acid, develops most rapidly in a medium at blood temperature low enough can be maintained the cream will hold several days without souring. Each skimming, as it is gathered, is mixed, after pasteurizing and cooling, with the supply already on hand, the whole being thoroughly stirred up. If the heating is carefully done, there is likely and the cream injuriously. spring and can get the cans into water at a temperature around 50 degrees, sterilized milk will keep sweet for a good many hours longer than the unsterilized material. Heating the milk does not in any way improve it as a feed. German experiments tend to for feeding some hours after separating, however, of milk and cream. A satisfactory starter may the pateurized product gives best results. It be made by allowing some fresh milk to "lopper" and is less likely to cause scours.

Difficulties in Churning

1. What is the cause of butter coming soft when cream is kept in a cool cellar at a temperature of from 60 to 65 degrees Fahrenheit? The cows are all fresh. The butter when it comes is greasy and soft, and cooled before mixing. Sask.

Ans.—1. In all probability you are churning at too high a temperature If you are skimming a heavy cream (30 to 35 per cent. fat) cool it to about 50° F., or say 53 to 54° F, if the cream is only 20 to 30 per has recently been elected by the Board of Regents four hours before churning begins. This will over- anyway come the difficulty.

off. If before, the chances are that your cream is too We have in our stable, says Prof. H. H. Dean of thin. But butter should never be churned into one Of course you can avoid a repetition of this difficulty

Washing the butter with very cold water is the only thing that would tend to prevent the butter granules from uniting during working. W. J. CARSON.

Buttermaking on the Farm in Summer

making on the farm in summer may be counten- and quite a portion of the fat is bound to escape a given inflow of milk the richer the cream, or the anced: First, when the situation is such that it is in the buttermilk. About all that can be done is higher the percentage of fat in it; the higher the impossible to send the milk or cream to a cream- to churn away until the granules form. Then if temperature of milk at separating the less the vol- ery or cheese factory; second, where the farmer a portion of the buttermilk is drawn off, and the ume of the cream and the higher its fat content; the has a particularly high class private trade to churning continued, the butter may be gathered. smaller the outlet for the cream and the nearer it is supply, has proper facilities for carrying on the A common practise with housewives when the work, and can make more from his cows by butter does not form readily, is to throw in a home butter-making than by sending the raw quantity of water, some use warm water, others to be worth while sending out to a factory or still longer the coming of the butter. creamery where butter is made only for home use. It is the first and third of these classes that usually have trouble, making butter in and a lot of time, ink and paper is devoted to distant usually have trouble, making butter in Before the Royal Institute of Public Health of cussions of the problem. Unless some contagion summer. The man catering to a private trade Great Britain the other day, the Medical Inspection generally knows enough about the business to officer for Portsmouth stated that in the British Isles worry along safely. If he doesn't it won't be each year 60,000 people died from tuberculosis and long till he's in the "down and out" class so far that of this number 11,000 was of children under as butter goes.

It is difficult in the summer season to have cream in as good condition for churning as in culosis. winter. If it is gathered by the gravity creamery but teriologists ray forth a lot of startling information system, in pans or long cans, it is likely to be substantiate what they say by the most amazing too thin for best churning, and in addition, undesirable fermentations arise readily in cream at this season, due to the temperature at which it is generally held. One way to overcome the development of these ferments which give rise to and dependable. wonder of it all is that any of us ever managed undesirable flavors, and retard the formation of butter when the cream is being churned, is to and hold it at as low a temperature as possible read the ad.

until enough is on hand to make a churning. Pasteurizing is not a difficult operation. All it comes from the separator, and difficulty is experienced in keeping it sweet, sterilizing, or pastemperature of 170 to 180 degrees Fahrenheit, teurizing as it is generally called, may be tried. To hold it around that point for fifteen or twenty that is required is to heat the cream up to a temperature of 170 to 180 degrees Fahrenheit, pasteurize, it is necessary to heat the milk up as minutes, and then cool down as rapidly as possible rapidly as possible to a temperature somewhere to as low a point as the facilities at hand will sufficient has been gathered for a churning. Milk so treated is nearly free from the bacterial and place the vessel containing the cream into forms that induce souring and unless re-infected it, stirring the contents frequently to induce will remain sweet for a considerable time. It must rapid and even heating. This destroys most be remembered though that the cooling part is quite of the organisms that produce undesirable flavors, When sufficient cream is on hand a starter is added, the cream ripened and churned.

A starter is simply some milk in which the lactic acid ferment has been allowed to develop until show that pasteurized milk is no better in calf feeding it contains millions upon millions of those than ordinary untreated milk. Where milk is kept organisms that induce the souring or ripening contains fewer bacterial organisims than the other by holding it at a temperature of 60 or 70 degrees, and then adding this to the cream about to be ripened for churning. Pure skim milk makes perhaps the best home-made starter. Cultures also are for sale by dairy supply houses that give satisfactory results.

When enough cream for a churning has been gathered, is should be brought up to a temperabut tastes sweet. Cream is separated twice a day ture of between 60 and 70 degrees, and one pint of the starter added for each gallon of cream to be J.M. churned. Have the temperature as near 65 2. When I churn I cannot get the butter to come in as possible during the ripening period. It is any but very small granules. What is the matter, rather difficult to determine exactly when the and what would you advise.

May D cream is "ripe" for the churn. At the proper stage the cream is thick and glossy smelling and tasting slightly sour. When this condition is reached it is ready for churning, and, churned at a temperature of about 60 degrees, should form cent. fat, and hold at this temperature for at least butter in a reasonable time, inside of half an hour

The other difficulty in summer buttermaking, 2. You do not state whether your difficulty thin cream, is rather harder to manage. It is occurs before or after the buttermilk has been drawn more likely to occur where gravity creaming methods are employed than where a separator is solid piece. As soon as the granules are the size of used. Thin cream takes a long time to churn, wheat and the buttermilk appears blue, the butter- there is a serious loss of fat in the buttermilk, milk should be removed. If you cannot get the and a poor quality of butter is almost certain to butter to gather into granules this size draw off a result. If cans or pans are used in creaming, the portion of the buttermilk and complete the churning. product resulting is found to be rather thin product resulting is found to be rather thin, where cream separators are used it is possible by skimming a heavier cream next time, say 30 to 35 to adjust the cream or skim milk outlet so that the machine will produce a cream of the desired

A thin cream may be churned at a rather higher temperature than a thick or medium cream. A temperature of from 65 to 68 degrees will catch it about right. The butter will be longer in coming because the fat globules that bunch together to There are three circumstances in which butter- form the butter granules do not pack so readily; product to the creamery; and third where a cold, but water added only increases the trouble. man has one or more cows, but not enough milk It makes the cream thinner still, and delays

> Before the Royal Institute of Public Health of five years of age. He declared that 10 per cent. of the milk sent into Leeds, Birmingham, Manchester,

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POULTRY

experiments to determine whether high egg produc- infected birds tion could be bred into a strain of fowls by selecting, each year, breeding stock from the hens that had man can detect the trouble, diagnose the disease and proven the best producers. The Maine station, to be apply treatment in the early stages of sickness it is brief, commenced a test to find out whether there was seldom that doctoring is of much avail. If he man-little wooden spatula; if you make it bleed a much of anything in these five theories that poultry- ages once or twice to be successful in checking a mild little, don't be alarmed. When this is done, men have been preaching up and down the country epidemic or curing an individual case here or there, the last year or two, to the effect that all a man he gets into the habit of fussing about his fowls, dosneeded to do was to get in a few trap nests, find out ing them up when they get sick and usually ends up what individuals in his flock were producing best, select by getting his place stocked up with a lot of birds of his eggs for hatching from these hens and in a year or two, by following up this selective method, develop little knowledge of the different fowl diseases. A strain of laying stock that would perform right up to the handle, all the time. But the tests carried on means of detecting disorders in the early stages than the tests of the product of the stages of the control of the stages of the control of the stages of the stages of the control of the stages at Orono hardly bear these theories out. The experiment has answered the question in the negative. That is, the results indicate that no improvement in laying qualities is effected by breeding from selected laying stock. In this test the general trend of average annual production was slightly downward throughaut the course of the experiment. out the course of the experiment.

A point of interest in the results of this eight year's work is that "drones" seem impossible of elimination. In the first year of the test there were hens that laid as few as 45 and others that ran as high as 195 eggs in their first laying years, and at the end of eight years it was found that there was no substantial change in the relative proportions of either very good layers or very poor layers in the flocks of successive years. There was in the flock, at the start, a number of fowls that could properly be called drones, and the relative proportion of such at

the end of the eight years had not materially changed.

In the words of the experimenters the general results of the experiment may be summed up as

'The practical conclusion to be drawn from the results of this breeding experiment seems to the authors to be clear. It is that the improvement of a strain of hens in egg producing ability by selective breeding is not so simple a matter as it has been supposed to be. Nothing could be simpler than breeding from high producers to get high producers. But if this method of breeding totally fails to get high producers—in other words, if the daughters prove not to be like the mothers in egg production it cannot fail to excite wonder as to whether the simplicity of the method is not its chief (possibly its only) recom-mendation. Anyone who makes a thorough first hand study of an extensive selection experiment mand study of an extensive selection experiment carried out, as was this one, by the so-called German method, without testing of the congenital power of the individual organisms, cannot fail to be impressed, we believe, with the fact that the improvement of a cated matter than it is assumed to be by those who maintain that one need only to breed from the best to insure improvement. The supposed 'facts' of heredity on which the practical stock breeder (working for utility points) operates, are in very large part inferences rather than facts. What is needed more than anything else for the advancement of the stock intends selling to the farmers and others throughout breeding industry in all its phases is an accumulation the province, birds and eggs for breeding and hatching EDITOR FARMER'S ADVOCATE: of definite knowledge of the fundamental principles of purposes. the hereditary process. All breeding operations most needs is broader and deeper knowledge of the thoroughgoing, purely scientific investigations.'

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Feeding Hens during Moulting

Moulting is the shedding of the feathers. this period need some attention as to care and feeding. They come out of the moult in better condition to commence fall laying, if they are in fair flesh when the feather shedding process starts, and are kept in good tone by judicious feeding all through the moulting period. A carbonaceous ration is preferable to a diseases affecting the head and throat, but the highly nitrogeness one. While the fowls need present tendency is to limit the use of the word nitrogenous matter for feather growing they also require plenty of heat producing foods to keep them ordinary roup not seriously affecting the throat, were while the feather growing is going on. Wheat influenza can be treated as a cold. and oats are the best grains to use in feeding the For digtheria a number of different treatments moulting flock. Corn of course, is a more desirable have been successful at one time, and failed at grain than either of these, but not available. It is rather richer in carbonhydrates and fat than oats or wheat, and makes a ration wider in nutritive ratio, but these two feeds are of very nearly, the same value as corn in this respect.

Doctoring Fowls

A prominent authority on poultry states that "to succeed in doctoring a stubborn case of sickness of a persistent epidemic in his flock, is one of the worst misfortunes that can befall a poultry keeper," meaning thereby that it is much better, from the dollar Breeding for Egg Production and cent standpoint, for the poultry man, to kill fowls as soon as they exhibit symptoms of disease, station at Orono commenced an extensive series of than it is to potter about and endeavor to treat the

As a general rule this advice holds good. Unless a world.

Egg Preservation

Egg preservation is carried on on an enormous scale in Denmark, and, according to a recent report, many of the eggs shipped abroad have already been preserved for four or five months. The material used for this purpose is chiefly water-glass (a solution of silicate of soda), although lime-water is also largely employed, since it is cheaper, and gives almost equally good results. With lime-water, however, the shell of the egg is hardened and roughened, which is not the case with water-glass. laid down in enormous tanks, which will hold from 70,000 to 80,000, and the tanks are then filled nearly to the top with the preserving fluid. These tanks are built in cool, underground cellars. For successful results, it is essential that the eggs should be fresh when being laid down. On removal from the solution, the eggs are well washed in running water, and dried in the air before being placed on the market.—Agricultural News, B.W.I.

A Provincial Poultry Plant

In response to a petition presented some time ago to the Hon. W. T. Finley, Minister of Agriculture, a provincial poultry plant is being established in the city of Edmonton, on the Hudson's Bay reserve. Ten acres of most suitable ground has been leased for

A number of brooder houses and brooders now in laws themselves. This knowledge must come from operation at the temporary quarters near the Hud-Table showing average annual production per hen site, and it is expected that in the course of a few weeks the plant will be completed and open to visitor.

Turkey With Roup.

EDITOR FARMER'S ADVOCATE:

Will you be so kind as to inform me as to the proper treatment of a turkey which has a swelling for the past three seasons. In the spring of 1906, cold in the head, its eyes are swollen almost shut grocery, about one-half of which matured. I and it does not seem to be able to breathe through planted seed from these in 1908 with the same reegg came out, it seemed better for a few days, acclimated. but it is worse than ever now.

N. Mc.

Evidently this is a case of diptheritic roup. The term roup is used to apply to a variety of kidney variety. roup to diptheria, or diptheritic roup, and to call another. Whether or not a cure can be affected, probably depends as much on the constitution and of the roup remedies advertised have been suc- anyone who has, we would be glad to hear of it.

cessfully used in many cases. Experienced practical poultrymen do not doctor fowls which have diptheria. They kill and bury or burn them. For those who wish to try to save their birds, the following remedies are given:

1. One ounce oil of sassafras, one ounce best Jamaica ginger, one ounce tincture of iron, one ounce alcohol, a half-ounce prickly ash fluid extract, one-fourth ounce oil of anise. Dose, ifteen drops to one teaspoonful to each gallon drinking water.

2. Clean out the pus, if in the mouth, with a wash the mouth with cotton wadding, attached to a little stick of wood, saturated in peroxide of hydrogen, then drop a little aristol on each sore place; repeat this operation morning and evening for three days.

HORTICULTURE

Improving the Native Plum

There is no native fruit that gives greater promise of usefulness in Western Canada than the plum. Some of the wild plums are well worthy of cultivation even as they are. With cultivation and improve-ment, it is almost certain that some splendid varieties of our native plum will be produced, in time. The plums now grown in the milder portions of Eastern Canada and British Columbia have been originated by a long process of cultivation, from a wild European species that is scarcely equal to the wild plums of Manitoba. This will indicate what may be accomlished by the improvement of our native species. These plums of European origin are not at all suited to the prairie regions of Canada, and in no instance has there been any case of successful cultivation of those plums here. Even the plums grown in Minnesota are of little value here. While in some cases the are of little value here. While in some cases the trees appear to be fairly hardy here, the fruit seldom ripens. At best only two or three of the very earliest of the Minnesota plums will ripen regularly here. These Minnesota plums have been originated from wild varieties found in Northern Iowa and the bordering portion of Minnesota. This will indicate that we will have to depend largely on the improvement of our native plums for our prairie provinces. In order to encourage the improvement of the native plum, the Buchanan Nursery Co., of St. Charles, Manitoba, is offering a prize of \$5.00 for the best sample of wild plums of this season's growth. Any Ten acres of most suitable ground has been leased for a term of years for this purpose and a modern up to date breeding house is being erected with a capacity of from 300 to 500 birds, to be added to as conditions known. This is all that is necessary to enter any one

Growing Common White Beans.

In your issue of May 20th, I noticed some ques-A suitable incubator house will be erected, and the tions asked in regard to growing beans for winter must be based on the laws of inheritance in organisms. various makes of incubators operated with the object market, by G. G. K., and answered by S. Lar-The practical stock breeder is able to work out the of furnishing the most reliable information possible, applications of these laws for himself. What he is to the operating of the various machines. of dry white beans in quantity, Mr. Larcombe did not touch upon this. I would like very much to hear from growers in the matter.

The question is:—Is there any variety of white beans, the whole crop of which will mature with certainty, in most seasons in Western Canada? If so it would be a great thing for the farmers, as we have been looking for a "hold" crop that we could raise and sell in large quantities

I have experimented in a small way with beans underneath its eyes? It really seems like a bad I purchased some common white beans at the its nostrils. I lanced one side of its "face" and sult, and planted seed from these this year, there was a lot of matter like the white of an thinking, maybe, they would do better when

> I am also trying, this year, the California Wonder, a small white bean resembling the "Navy" and also the Davis White Wax, a white

> Is there anyone growing dry white beans in large quantities, and ripening them with success each year in Western Canada?

Which is the earliest bean, Navy, Kidney, Medium or Marrow? I would like to hear from Mr. Larcombe and others in regard to this.

Sask.

If any of our readers have had success in growantecedents of the fowl as a treatment. Most ing beans in large quantities, or if they know of erienced ls which rn them. ir birds,

DED 1866

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promise ne plum. ıltivation improvevarieties Eastern riginated European plums of e accom species all suited tance has 1 of those Minnesota cases the the fruit the very regularly originated and the indicate improveprovinces he native Charles, the best th. Any

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Kidnev. ear from AYLOR.

in growknow of ear of it. The sowing of home grown seed, year after year, plenty of time for ripening. I would drop a few other desirable qualities.—Ed.

Mr. Larcombe replies to the above as follows: Editor Farmer's Advocate:

the winter market. Yes! They may be grown apart, or leave a space any where in the plot, for inclined to think in any part of the west. The and then go from flower to flower. writer has only failed in ripening beans once; but there is always a certain amount of risk, as beans are more sensitive to frost than almost any other crop. They are, of course, liable to be frozen with a late June frost, or to be checked in their ripening stage, with an early September frost; but, as I have mentioned, I have only failed once. The common White Bean will be found to do very well, but there are other varieties that are earlier and heavier yielders, and only for the color of some, are just as good for table use.

Beauty', but this is a spotted bean, and there may be some objection to color. The same will apply to 'Honey Pot' which is very early and an enormous cropper. I have never grown them extensively, that is, by the acre, or acres; but five years ago I tried several varieties by the rod, all of which ripened. 'Golden Beauty' was the heaviest in yield. 'White Valantine' was the earliest and second in yield. I am afraid I have lost track of the nine varieties, and their yields, but if my memory serves me right, I grew 78 pounds to the rod of Golden Beauty and 64 of White Valantine. eties named, worked out considerably over one hundred bushels to the acre. Of course, at this rate, it would make it one of the best paying crops, but there is the danger, if they are grown extensively, of a spring frost. We have to take some chances on almost everything we grow.

"Your correspondent should grow, say, an acre, by way of experiment, and, if successful, he ing, on Lake Winnipeg, eight persons lost their lives. may raise them in any quantities, as the market demands. But I would not like to take chances of May, if there are no checks, this will give to be \$2,225,000.

plot are of inealculable value.

"As to your query on the growing of beans for tween the rows, which should be thirty inches given as follows: with success in almost any year, and I would be a small bed of mignonette, the bees will find this

S. LARCOMBE.

FIELD NOTES

Events of the Week

A party of one hundred surveyors with men are town in Crow's Nest Valley.' making a survey of the country west of Ft. Church-'The earliest bean with me, is the 'White hill, and will report to the government upon the con-Valantine'. Another good variety is the 'Golden ditions surrounding the building of the Hudson's Bay Railway in January.

The first load of this year's Alberta winter wheat was sold in Lethbridge, on July 10th. It went 63 pounds to the bushel and sold for 80 cents. Much of the Alberta crop will go from 35 to 40 bushels to

Minneapolis, the largest concern of its kind in the last year. world, has gone in the hands of a receiver, but the mill is still in operation. The liabilities are estimated at \$15,000,000, but there is no anxiety on

The Canadian government has refused to suspend operation of the alien labor law at the request of on an island in the Lake of the Woods. railways and construction contractors who desire to

* * *

By a fire on the vessel Premier, at Warrens Land-

The gross earnings of the Canadian Pacific Railshould, in time, give a hardy strain, but it is 'Scarlet Runners' all over the plot as they are way company for July, the first month of the comwell to begin with a heavy yield, and one with more likely to attract the bees. Bees in a bean pany's new fiscal year, make a bad start with a decrease of \$704,000, representing over 12 per cent. be-"We have tried a few bunches of mignonette Gross earnings for the last ten days of July decreased in the bean plot. This may be sown either be- \$292,000. The earnings for July, by weeks, are

	1908	1907	Dec.
July 1 to 8	\$1,399,000	\$1,542,000	\$143,000
July 8 to 14	1,407,000	1,551,000	144,000
July 15 to 21	1,400,000	1,525,000	125,000
July 22 to 31	1,990,000	2,232,000	292,000

In an illustrated description of the Fernie fire, a California paper publishes a photo of Main street, Winnipeg, and two Doukhobor women at the C. P. R. depot, and named the cuts: "Scenes from Winnipeg fire zone, Street in British Columbia city, to which homeless thousands are fleeing," and "Types of peasant women who are refugees from desolated

Nasty feelings have been aroused between the passenger departments of the C. P. R. and C. N. R., on account of the former road stating that the harvesters they bring from the east will be delivered at C. P. R. points only. C. N. R. officials are assisting in getting hands in the west, and offering cheap rates to farmers to Winnipeg to hire men.

* * * The Canadian government has appointed engi-The Pillsbury-Washburn Milling company, of neers to rebuild the Quebec bridge which collapsed

On August 7 last a party of priests of St. Boniface college, Winnipeg, accompanied by Judge Prud'homme, discovered the site of Fort St. Charles, built in 1732 by Sieur de la Verandrye on the north-The ordinary White or Harrowque bean was a few of the company is held by British investors. The days later, and a few pounds lighter in yield to mills have a capacity of 38,800,000 bushels and the skulls of 19 voyageurs and the skeletons of Father Aulneau and Jean Baptiste de la Verandrye, all of whom were massacred in 1736 by Sioux Indians

For many years past the Roman Catholic church take advantage of the labor situation in the United has made attempts to locate these remains, but until the present month all efforts to do so had failed. * * *

Frost visited several districts in the wheat belt of Western Manitoba and Eastern Saskatchewan on the night of the 12th inst. The extent of the damage demands. But I would not like to take chances in sowing in large quantities until after the 20th is estimated by the insurance companies involved siderable as the grain was about ten days from being



PHO. BY CLARK, C.N.R.

SUMMER SHADE On the Red River Bank near Selkirk, Man.

The Ontario government has let a contract to build transmission lines to carry power from Niagara as far west as St. Thomas and east to Toronto. The contractor is F. H. McGuyan, who made a specta-crops and live-stock in Canada was given out by the cular separation from the Great Northern Railway census and statistics office on the 11th. The heat and cular separation from the Great Northern Railway Co., last year.

the various districts.

Prof. Goldwin Smith, Canada's most noted publicist, celebrated his 85th birthday on the 13th.

dian flag should be used.

The Farmers' Union of Mississippi, it is believed, will, this year, endeavor to hold off their cotton crop, store it in warehouses, and sell only when the price reaches a point satisfactory to the Association, a price that will be remunerative to the producer and fair to all concerned. The Union controls 150 or 200 warehouses, in which cotton can be stored.

There are in Iowa at the present time 170 farmers' co-operative grain companies, with a total membership of 28,000, and a capital of \$2,-000,000 invested in elevator properties. A conservative estimate of the combined resources is \$50,000,000. Against all this the grain trust will begin a "relentless war of extermination."

Farmers—and Farmers' Business

EDITOR FARMER'S ADVOCATE:

I was in a town the other day, and I heard that the annual meeting of the shareholders of the Farmers' Elevator Company was to be held, so I thought I would go to see how the company had done during the year, and I think sir, that the manager and directors deserve great credit for the way in which they carried on the business during such a hard year. But what surprised me more (and this is what I want to talk of most) was the small number of shareholders by shipping and railway circles, and the signal present, out of over seventy only about half were victory of the Canadian route is expected to have present. And I began to think and ask myself, good effect in increasing the trade between the Orient Why this indifference among the farmers, that they and Europe via the Dominion trade roads. would not come to their company's annual meeting, a meeting at which every one that held a share should have been, to have heard the reports, and to have made complaints if they had any? Some shareholders

listen to the conversation going on in different constituencies was increased since the last election groups of farmers, and I found out the thing that you come across from time to time: Farmers kicking in 1905, from 24 to 40, and it is thought the governeral, and how the comp being managed, so I said to some, "Why did you not ministers, Hon. W. R. Motherwell (agriculture) and Boxes, 14 to 28 lbs.... go to the meeting, or why did you not speak at the meeting?" They said, "Well, they did not like to, or they did not go." "Well then," I said, "stop Qu'Appelle and Milestone, respectively. your kicking now.

And that is just where it is, farmers, you choose men as directors to do your business for you, and you expect these men to lose one or two days every month in the year. When the day comes around for your annual meeting and these men ask you to come for half a day, to listen to their report, you ignore them, and you stand on the street corners cursing the management. As it is with this elevator company, so it is with everything else: you stand on the street corners cursing everything in general, from railroads' elevator systems to the small store keeper, but you vourselves will not lift, no, not so much as a finger to better your own condition.

without naming, but there is a need of a closer little in Winnipeg, and cables from Europe were not is good. The figures quoted are: union among the farmers. We ought to be so very strong but apparently the bull element had Export steers, 1200 and over f. o. b. point organized that we could meet once a month, and such control of the situation that prices were mainjust here I fancy I can hear someone say, "What's tained. Reports of damage in the Dakotas, the that man after, a crank I bet." Well I have no doubt knowledge of actual damage from the hot winds in you are right, but it is the fact just the same that July, and the general shortage in world's supply, all if we would just meet together, and discuss matters relating to our farming operations, we should be more was quite a severe frost in Eastern Saskatchewan liberal minded, and we should be better able to over- and Western Manitoba, extending north and south come the difficulties that are in our way. As the proverb says, "In the multitude of counsels there is wisdom," and so by meeting together we should be helping each other.

A FARMER.

Canadian Crop Report

drouth of July have lowered the condition of the field 80c at local points, and as a consequence seeding for crops all over Canada, but less in Ontario and Alberta next year is on a larger scale than ever. What little The United States department of agriculture is than elsewhere because the ripening season in these undertaking an extensive practical and scientific provinces has been earlier. Measured on the basis of undertaking an extensive practical and scientific provinces has been earlier. Measured on the basis of ter quality than last year but very little of our barley study of the use of timber shelter belts in the agricultural regions of fourteen western states. The quality, wheat fell during the month from 84 to 76, annual warning to threshers not to knock the germ idea is to obtain data that will be velocited to the cost from 20 to 10 for standard condition as being a full crop of good is free from wild oats. The malters are out with their quality, wheat fell during the month from 84 to 76, annual warning to threshers not to knock the germ idea is to obtain data that will be valuable to the oats from 90 to 81, barley from 83 to 80, rye from end off the grain when threshing, as without the farmers who are developing the western plains. 92 to 78, peas from 82 to 79, mixed grains from 84 to germ to start germination barley is useless for malt-the experts who will go through the territory in 81, and hay and clover from 87 to 82. Beans alone ing. It is also injured for seed and in this will be question, hope to settle once and for all which are have not deteriorated; their condition at the end of the the species or varieties best adapted to planting in month was 75 per cent., or one more than at the end of one sometimes sees. une. The other crops show conditions for the end of

The School Board of Victoria, B. C., objects

The Provincial Government's order to fly the Union Jack over the schools, claiming the Cana
dian flag should be used

puted to be a	as snown in th	e following tab	ie.
Provinces.	Wheat.	Oats.	Barley.
Quebec	1,575,000	37,008,000	2,289,000
Ontario	18,164,000	111,888,000	20,804,000
Manitoba	56,164,000	54,202,000	21,184,000
Saskatche-			
wan	47,080,000	38,130,000	2,640,000
Alberta	7,280,000	28,026,000	4,773,000
Takala	120 262 00	060 954 000	51 600 000
Totals	130,263,00	269,254,000	51,690,000

On July 21 the C. P. R. steamer Monteagle, the Japanese steamer Tosa Maru, and the Pacific mail steamer China left Yokohama together, bound respectively for Vancouver, Seattle and San Francisco. Each carried part of a consignment of silk bound for London via New York, the consignors experimenting to see which was the most suitable route. Each line was instructed to hustle the silk ahead as fast as pos-

The Monteagle reached Vancouver August 4, the Tesa Maru arrived at Seattle on the 6th, and the China docked at San Francisco on the 7th.

The Canadian shipment was delivered at New York on the 11th. Tosu Maru's load reached the same port two days later and by the time the shipment via San Francisco got there, the shipment via the C.P.R. was nearing the shores of England.

The race has been watched with keen interest Shorts \$19.00

After a short strenuous campaign the Saskatchewan were in town but did not go to the meeting. Ask government (liberal) was returned by a small mathem why? Oh, they haven't time. After the meeting was over, I thought I would party elected is not yet available. The number of ment will have at least 23 of the seats

> From all appearances there will be nearly 25,000 Manitoba cheese at Winnipeg. . . .

MARKETS

How can you expect others to do it for you, and 38 The movement of the markets during the past why don't you wake up to the possibilities that lie week furnished a striking illustration of the fact that before you? No, but you will not do it, you will not prices do not always fall just before the new crop meet together to discuss matters of vital importance arrives. And, incidentally, the man who was on the to you, and so long as you will not spare a little time look out for an instance of how speculative dealing to meet together and discuss things, so long will you helps to raise the price of actual wheat had an opporbe narrow-minded, and think everybody is robbing tunity to make a few notes. By all the rules of the and this year there is not much change in quotations, game prices should have gone down, but instead there There is no need for more farmers' organizations, was a continual rise. New wheat has begun to find although \$4.75 is said to be paid frequently at the for we have plenty of them, you know them all little in Winnipeg, and cables from Europe were not is good. The figures quoted are: erable, since the area is quite large and the temperature low enough to make ice in places

Cutting is now general over all the west, and the The following statement on the condition of field ops and live-stock in Canada was given out by the threshing is in progress. It is perhaps the best crop the province has yet had, prices are good, around barley that has come forward at Winnipeg is of bet-

An attempt seems to be developing to raise the July of 78 for potatoes, 75 for turnips, 73 for sugar rates on grain going across the lakes. July was one beets, 75 for other roots, 77 for husking corn. of the poorest months for the shipping companies of the poorest months for the shipping companies It was too early at the end of July to give estimates that has yet been known, and the hope of redeeming

Titees as we go to press are as tonows.	
1 hard	109
1 northern	108
2 northern	105
3 northern	103
No. 4	97
No. 5	87
No. 6	771
Feed 1	70
Feed 2	60
No. 2 white oats.	44
No. 3 white	40
Rejected	40
No. 3 barley	48
No. 4 barley	46
Feed	421
Flax, N. W	124
· OPTION QUOTATIONS.	
Sept. Oct.	Dec.
7771	

No. 2 white, October		$95\frac{1}{8}$ $39\frac{1}{4}$	93§
MINNEAPOLIS CA	ASH PR	ICES.	

1 hard 125 to 126, 1 northern 122, 2 northern 119,

	No. 3 112, 1 durum 93½, 2 durum 91½, 3 white oats
	45\\\ 45\\\ 4, 3 oats 42, barley 55, rye 71\\\\ 4, flax 133\\\\ 1.
	104, 0 0400 12, Darley 00, 1ye 114, 114x 1994.
1.	PRODUCE AND MILL FEED.
5	Net per ton—
	D

Shorts.	21.00
Chopped Feeds—	
Barley and oats	. 26.00
Barley	25.00
Uats	28.00
Oatmeal and millfeed	19.00
Wheat chop	$\frac{7}{22.00}$
Hay per ton (cars on track, Win-	
nipeg), prairie hay	6.00@\$ 7.00
Timothy	12.00@ 14.00
Loads	9.00@ 10.00
Baled straw	5-00@ 6.00

BUTTER, CHEESE AND EGGS. ancy fresh-made creamery bricks. DAIRY BUTTER— Extra fancy prints..... 221 CHEESE— 12 $13\frac{1}{2}$ EGGS-

Winnipeg.... VEGETABLES.

21

41

Manitoba, fresh-gathered f. o. b.

	Potatoes, car lots, per bu.	\$0.85
	Potatoes, small lots, per bu.	
	Beets, per bu	. 90
	Onions, per cwt.	. 40
t t		3.00

LIVE STOCK.

Range stock is moving forward rapidly and the cattle are uniformly good. Last year about this time exporters were quoted around \$4.25 off cars, 4c being the nominal figures at point of shipment

of whitemant	
of shipment	4
at cows and neners.	23 +0
rian rat butchers stock.	21 +0
Veal calves	4 to
HOGS	
11000.	
Hogs, 150 lbs. to 250 lbs.	$5\frac{3}{4}$
Heavy hogs.	41



)ED 1866

and the e winter cut, and best crop , around eding for hat little is of betur barley vith their the germ hout the for malts will be

raise the was one ompanies edeeming n. Both

y stands

46

421

124 Dec 935

hern 119. thite oats

221

 $13\frac{1}{2}$

40

3.00

(a)

\$0.85

and the bout this off cars, lotations, shipment

24 to 34

HOME JOURNAL

A Department for the Family

PEOPLE AND THINGS THE WORLD OVER

The early home of T. B. Aldrich in Portsmouth. letters and other treasures.

towns.—London Academy.

Herr Rymer Schnieder, a German sculptor, recently went to Edmonton to live. He is a member of the Royal Academy of Belgium and has studied in Brussels. He will endeavor to work at his chosen profession in Alberta. The people of Strathcona are planning to erect a statue to Charles Lamb, the man who sacrificed his life last year in an attempt to save the lives of his fellow workmen in Walters' mine, and will probably engage Herr Schnieder. Herr Schnieder will also endeavor to persuade the Alberta government to place a statue at the entrance to the new provincial parliament buildings. He suggests two buffaloes or Indian chasing buffaloes as something typical of the country.

officer quartered with his regiment at Strasburg The second difficulty is the utterly inadequate part of North America. Aerial navigation is now in the early days of the French Revolution, hear-supply of teachers properly trained to give ing the mayor of that city express a desire for a effective education in this subject. patriotic song, sat down and composed the The specialist on agricultural education in the Words and music of the 'Chant de Guerre pour U. S. Department of Agriculture, D. J. Crosby, son l'Armee du Rhin,' he scarcely foresaw a twentieth stated that nearly every State in the Union is century President of a French Republic being now requiring agriculture to be taught in the welcomed to England by its king to the martial schools, and that he knows that it is being done strains of his song of the revolution. First heard successfully in a few primary schools, a larger in the house of the Mayor of Strasburg on April number of secondary schools, and in about sixty 25, 1792, it had reached Marseilles by June, colleges. He discussed the danger of demanding where it was sung amid great enthusiasm at a too much, as some people are doing, and argued 1830.—Dundee Advertiser.

seeing Mr. Robert Mantell in Shakesperian drama. "King Lear," "Othello," "Macbeth," III" of Shakespeare's productions were presented. In addition, Lytton's famous play, "Richelieu," was given. Mr. Mantell is one of the strongest actors of the Shakesperian drama on the stage today. In the great master's greatest masterly interpretation to the play. On the way as to do her intellect and heart as much good characters, he acts with finish and polish, giving a whole, Winnipeg theatre goers enjoyed some- as the Latin grammar she is learning. He also thing that is a little better than anything condemned much of the so-called scientific preciative audiences greeted the company at change it for a study of living vegetables and necting Damascus with Mecca, for the benefit each performance.

Ira D. Sankey the world famous singing evangelist nd "When the Mists Have Rolled Away.

life time. Since 1903, he had been totally blind.

New Hampshire, has been purchased for \$10,000 the year is the convention of the National Educaand will be fitted up as a shrine, containing his tion Association of the United States. This year books and a collection of first editions, autograph the convention was held in Cleveland, Ohio, where over 15,000 members registered. The National Education Association carries on its In reply to the letter from the Transvaal asking deliberations in nineteen departments, one of where the best English is spoken in the British which is known as the Department of Rural and authoritative answer, but our private conviction ment, at the recent meeting, devoted all its time to is that the best English is spoken on the west agricultural education and school gardens, and coast of Scotland, and in parts of Ireland. It was addressed by the United States Commissioner in Preparing Teachers to Teach Agriculture; "How the Nation Should aid in Agricultural Education;" "Work Done in School Gardens." In addition to this department's work, the National Council, through the president-elect, presented the report of a committee on industrial education in rural schools, which committee was appointed in 1903.

The report just referred to, strongly emphasized the need to educate public opinion to regard the ability to do things as more valuable than the possession of theoretical knowledge. It declared that one most serious difficulty in the way of introducing what might be called agricultural education is the unwillingness of teachers and school authorities to modify the traditional courses of study, except by adding a new one. They are loath to cut out any of the old courses to make way for the new, so they try, instead, When Claude Rouget de Lisle, an unknown to add it on to an already overcrowded course. the necessary stations will be laid out in some

The Merchant of Venice," and "King Richard heavily upon training in the physical and biolog-war can better be imagined than described. ical sciences, as well as in the science of agriculture and the relations of agriculture to the manufacturing and carrying business of the world.

Prof. Davis, of Maine University, claimed that been could be given the girl undergraduate in such a again they may both be differently received. ork is probably his "sacred songs and solos" which ner, aids in keeping up school attendance, from Ain Elzerk, and of the railway line. operty, although he gave away thousands in his in the way of general introduction of agriculture built of stone, and the workshops all having as a school subject. The graduates of small been constructed in less than ax years

AGRICULTURAL EDUCATION AT THE N.E.A. High Schools are supplying teachers for rural Doubtless the greatest educational event of schools. Agriculture, as a part of the Highschool courses, is therefore, desirable. The most direct means of reaching the largest number of rural schools is in better preparation of Highschool teachers who teach in rural communities.

THE CONQUEST OF THE AIR

In the last few years wonderful strides have Isles, we should not like to pretend to give an Agrcultural Educatioal. The last-named depart- been made towards the conquest of the air. Inventors in all parts of the world have been experimenting with different types of flying machines. The progress has been amazing. Airsounds paradoxical; but everyone knows that of Education and several eminent teachers, on the best French is spoken, not in Paris, but in such topics as "Successful Work in Agriculture in for any time desired, steered in any direction by the intrepid navigator. Motors have been made light and strong enough to drive ships at a good clip, airship races have been arranged over courses a thousand miles or so in length, competitions of various kinds have been held in different parts, and man emerges from each experiment a little better equipped than before to perfect a machine that moves through the atmosphere as smoothly and safely, and more rapidly than the ships he has fashioned now. plow the deep.

According to Harper's Weekly, airships will be carrying passengers and freight between New York and Boston within the next year and a half at least. A company is being formed for the purpose of establishing aerial routes for the transportations of freight and passengers in the United States, Canada and Mexico. The new venture is being taken hold of in a serious spirit, and there is little doubt but that air routes with an accepted fact. Up to the present it has been little better than a possibility.

It is seventy years now, or more, since Tenny-

"Looked into the future, Far as human eye could see Saw the heavens filled with commerce And there rained a ghastly dew, From the nations airy navies. Fighting in the central blue.'

There is much probability that the generacivic gathering. A volunteer battalion just that you cannot teach farming operations, such as tions that knew Tennyson will live to witness the leaving for Paris adopted it for a marching song, plowing, reaping or milking, in the rural public realization of his vision. Aerial navies will be under the title 'Chant des Marseillais,' and on schools, and no claims for such teaching should one of the first results of the successful naviga-Aug. 10 it was the rallying song during the at- be made. He should confine the agricultural tion of the air. Already governments in Europe tack on the Tuileries. From that day it became instruction in the primary schools to the simpler are experimenting with war balloons, air battlethe national anthem of the French, and its com- facts concerning the principles of the production ship or whatever they are to be called, and just poser lived to be pensioned by Louis Philippe in and utilization of plants and animals useful to as soon as ships can be perfected large enough man, together with some children's garden work to mount weapons of warfare in, the nations will at school and at home. In the secondary schools, be ready to dispute with hostile nations the su-Winnipeg had an opportunity recently of we should insist that pupils studying agriculture premacy of the newly conquered element. have some preliminary work in botany, chemistry Airships will work revolutions in commerce and physics; and in the colleges we should bear difficult to comprehend. What they will do for

> Kiplings' "Lady of the Snows," could not have "at home" to Lord Roberts. If the practical instruction in milking and churning genial "Bobs" and the versatile Kipling come

The most remarkable railroad enterprise of toeducation given in the High Schools. He would day, the construction of the Turkish line concrops, soils, and living animals. A summary of of the thousands of pilgrims who journey each opinions obtained by Prof. Davis from about 500 year from all portions of the Mohammedan world persons, scattered all over the continent, set forth to the Sacred City, is nearing completion. The Brooklyn, N. Y., on the 13th. Had he lived until almost universal lack of teachers who are able to 250 miles north of Mecca, and on September 1, (1) that the great difficulties in the way are the line has now reached the city of Medina, only the 28th, he would have been sixty-eight years of age. give agricultural instruction, and the indifference the anniversary of the accession to the throne of Sankey was born in Pennsylvania and was all and frequent opposition on the part of patrons; the Sultan, will take place the inauguration of the life active in Christian work. His most enduring (2) agriculture, when handled in an efficient man-mosque near the station there, of the water supply ave had a circulation of over 50,000,000 copies, increases interest of patrons, and reacts favorably railway, as far as completed, has a total length on other school work. Training a sufficient of 1500 billion (1996) when the Mists Have Rolled Away.

It is expected that Mr. Sankey left considerable number of teachers is the most serious problem branch to Haifa, the stations having been all

expression, which is far more positive

The Quiet Hour

THE WITNESS OF THE GRAVE

seeth the linen clothes by themselves; and he departed to his home, wondering at that which was come to pass. St. Luke xxiv. 12 (R. V.).

as yet they knew not the scripture that He must rise again from the dead. St. John xxiv. 4-10. (R.V.)

Ah! sure within him and without, Could his dark wisdom find it out, There must be answer to his doubt. -Tennyson.

We live in a world of progress; even the unchanging truths of our glorious religion are seen from a new point of view by each generation of men, revealing beauty which was always there, though it was veiled before. As electricity was always in the world, with all its marvelous powers waiting for men to discover and use, so many great treasures have been lying unnoticed in God's two great books-Nature and the Bible-revealing their mysteries in these latter days and coming upon us with all the freshness of new discoveries. Why should we fear the scientific study of God's word? Christianity is a religion of facts as well as of spiritual truths, and

microscopic inspection is continually bringing to light facts that

as many of our readers may not have Day. Mary Magdalene saw two angels attention to the unmistakable marks of the opportunity of reading such books, sitting, "the one at the head and the His identity in hands and feet and side. I will try to pass on a few of the thoughts contained in it. Perhaps another week I may tell you about other things in the I was tell you about other things in book, but to-day we will look only at No one could be allowed to disarrange had sustance and form. A spiritual

have been tremendously impressed with "Come, see the place where the Lord clothes. That Easter afternoon two Naggus (literary editor)— Borus, the appearance of the linen clothes lay." He was evidently inviting them of the disciples were joined by Christ as which one of the magazines is going to

notice that apparently insignificant declothes lying, and the napkin that was ble. Those who have carefully studied incredible "idle tale." But people are was blinded by tears and not likely to upon His head, not lying with the linen the Greek account throw light on the seldom very willing to believe a seeming notice anything. The Evangelists do clothes, but rolled up, in a place by it-mystery. The Body had been swathed impossibility, and it did appear to be not go out of their way to explain why self. Then entered in therefore the other in cloths, wound round and round like impossible to believe that the Body had she was so despairing while the other disciple also, which came first to the bandages, with a hundred pounds of gone, leaving the bandages untouched. women were filled with "great joy." tomb, and he saw, and believed. For myrrh and aloes strewn within the folds. This was a new thing in their experience, They seldom go out of their way to

tail—the position of the grave-clothes or 'cloths' as the R. V. gives us the But Peter arose, and ran unto the tomb; and stooping and looking in, he tomb was empty. But 'Behold the place where they laid such astounding information about the translation. Now, after nearly 2,000 Him." It was not an empty space nor grave-clothes would certainly not be a place where they laid such astounding information about the translation. Now, after nearly 2,000 Him." It was not an empty space nor grave-clothes would certainly not be a place where they laid such astounding information about the translation. Now, after nearly 2,000 Him." It was not an empty space nor grave-clothes would certainly not be a place where they laid such astounding information about the translation. Now, after nearly 2,000 Him." It was not an empty space nor grave-clothes would certainly not be take their place as they did that great tered spices that they saw, for such a Resurrection Day among the strongest sight would not have impressed them so proofs of the foundation Fact of Christant that they "trembled and were amazed." that would have been the natural tianity. St. John, in telling his story

St. Luke says that when the women explanation of an empty tomb. Mary that which was come to pass. St. proofs of the foundation Fact of Christianity. St. John, in telling his story
The other disciple outran Peter, and looking in, he seeth the linen clothes lying; yet entered he not in. He could not imagine that friend or Simon Peter therefore also cometh, following him, and entered into the left the clothes behind, because their tomb; and he beholdeth the linen appearance showed that to be impossitioned by the proof of the foundation Fact of Christianity. St. John, in telling his story to the apostles their probably failed to notice anything words seemed to them as "idle tales, remarkable in the position of the grave-and they believed them not." They clothes on her first visit, because it had no reason to question the good would not be noticeable in the dim light only said that the Body was gone, the only said that the Body

they ran, with fear and "great joy," had said." If they only meant to state to tell the diciples. An empty tomb that the tomb was empty it was strange would not have instantly turned their that they should use such a roundabout grief into "great joy." In St. Mark's account we read of a than negative. Besides, they would

young man dressed in white who sat hardly have seemed so astonished at within the sepulchre on the right side. finding that the tale of the women He drew the attention of visitors to the was true, if it had only been the state-

explain anything, being occupied with the telling of facts. There was reason enough, if Mary thought her Lord was dead and even the Body had been swept out of her reach, while the other women knew that He had risen with new life.

It is suggested that the witness of the graveclothes was probably one great reason for the rapid increase in the number of converts from 120 to 3,000 on the Day of Pentecost, and soon after to 5,000. The wonderful news of the Resurrection would soon spread through Jerusalem, which was always crowded at the Passover. Many would visit the tomb and see the mysterious empty wrappings, and others would hear about them. The news would be carried by returning pilgrims to their homes, and so men would be prepared to believe in the founda-tion fact of Christianity -the Resurrection of Christ.

And what shall I say about ourselves? A man who will venture to say that anything is impossible, in these days of

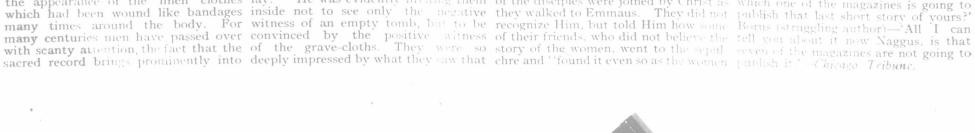
marvellous discoveries, is showing a slow to believe new most unscientific form of mind: and alone. God does not demand a creduby the spices. They had not been unbelieve in many apparent impossibilities position and deny the possibility of the lous belief in unattested prodigies. The wound nor disarranged in any way. —we don't disbelieve in the possibility Resurrection, we must own that critical small boy who said that faith was "believing things we know are not true."

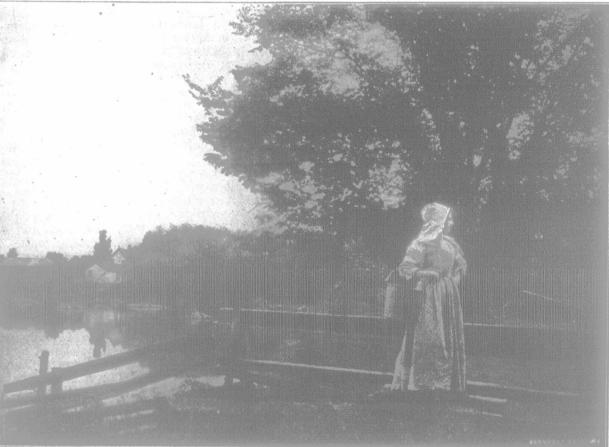
Faith does require us to believe things

The definition of faith is not that of the changing body had higher through ground the reach of reason, passing as easily as the air itself through the changing probably, through a telephone, or sending a message by wireless telegraphy, though these common occurrences still appear to people many times away that Event show that it was not a fabrication. Such undesigned coincidences, fitting perfectly into each other—that are beyond the reach of reason, passing as easily as the air itself through the reach of reason. This was new, though the disciples served for centuries, or at least have was not new. Lazarus had come out to any unprejuced student that they are the chicken is formed in an egg, how the blossoms on the trees turn to fruit, the blossoms on the trees turn to fruit, the chicken is formed in an egg, how the blossoms on the trees turn to fruit, the blossoms of things about had been twisted like a turban about his was not new. Lazarus had come out to any unprejuced student that they are alive from the tomb, but he was bound to any unprejuced student that they are the hand and foot with grave-clothes. This dentity telling their story in good faith. And it is a great feel to us to know that the evidence for Christian to any unprejuced student that they are to any unprejuced student how much less likely is it that we siderable space between the wrappings should entirely comprehend things spiritual and transcendent.

I have just been reading a deeply-interesting book called "The Risen interesting book called the Risen inter seek shall "find" can be depended on. Those who do not take the trouble to seek" can hardly expect to "find."

'Blind unbelief is sure to err And scan His work in vain: God is His own Interpreter, And He will make it plain.





WAITING TILL THE COWS COME HOME.

the truths which can be grasped by faith without disarrangement, weighed down things, though in time we learn to less we take that obstinately foolish true definition of faith is not that of the Our Lord's Body had mysteriously of talking to people many miles away examination of the various records of nevertheless reasoning faith is the only the cloths, which immediately fell flat possible kind of faith for sane people. on the rocky slab. The napkin which knew that a resurrection from the dead attracted very little attention—prove how the food we eat turns into flesh and raised pillow-like slab where the head was restored to the former condition of death gains instead of loses by closest blood, nerves, muscles, etc.? If we had rested, and was some distance from natural life, while Christ's Body was no scrutiny. Those who are like St. cannot understand the physical world, the rest of the cloths, for there is a conlonger a natural Body, but had become Thomas, doubting, though they wish to how much less likely is it that we siderable space between the wrappings a spiritual Body. It was completely believe, need not fear to seek for proof. Master." by Rev. Henry Latham; and, this fits in with various incidents of that be recognized, and yet could draw one subject, "The Witness of the Grave-Clothes."

The disciples who hurried to the tomb

The disciples who have th after our Lord's Resurrection seem to the stone and who said to the woman, return to the witness of the grave-

and we are alway

int to state ras strange oundabout re positive ney would onished at he women the stateipty. But about the ly not be lo one but d that the " though

e natural

nb. Mary anything the gravebecause it e dim light returned, artbroken John, she t likely to gelists do plain why the other eat joy. ir way to ng, being the telling vas reason y thought dead and

1 that the e gravebably one the rapid number of 120 to

had been

ner reach,

er women

had risen

Day of soon after wonderful surrection spread em, which owded at any would and see is empty 1 others out them. uld be rning pilomes, and prepared foundaristianity

ection of all I say A man e to say is ime days of howing a y foolish ty of the it critical ecords of ot a fabcidences, otherd unobast have 1—prove they are now that

od faith. iph over y closest like St. wish to or proof. and yet proofs king for ose who ided on. ouble to ind. TI

ter, HOPE. Borus,

going to yours?" I can is that going to

Power Lot == God Help

By Sarah McLean Greene

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CHAPTER XXII.

AUGUST 19, 1908

"HE WILL STAND."

It was a drizzly, foggy morning scarcely daylight, when a repeated knocking at my door wakened me.

lead—my heart was leaden; my senses, the tide that fills up everything would his wings again as soon as possible.

numbed by chagrin and despair, were have covered me, too. "Wal'," said the girl commiseratingleaden. It might be afternoon - I might be sleeping over still another tide for all I cared.

The knocking grew more distinct.

"Drunk!" I muttered to myself. the door and opened it.

Such a sight never saw I before in the gray of the morning. I drew him in, blue eyes darkened wide with mirthhorrified, and locked the door behind "I think that blow has cleared my head His hair was matted with blood, his face bruised and caked with mire knocked all fear out of me, for big noisily, at my plate. and blood, his shirt and trousers were things or little, for evermore. I saw "You didn't see any other friends o' in rags, and one hand hung helpless at things clear. I limped up here—the mine in here yesterday, did ye?" said I, his side

the work of bathing and binding up his sheds, and the back doors were open. only so painfully sprained that it was slate where they register guests in the acting,-wonder if you saw him?" almost worse, he lay back on the pillows, office, and found your name and the his lips drawn and pinched with suf- number of your room—and here I am. company.

has been to the grave itself.
"Jim," said he hoarsely, touched a drop. Jim—I give you my And I'm cleaned out—a pauper again—word, before my Creator, there was no a penniless, crippled—" drink—in this night's business.'

"I believe you ,Rob. Never mind about explaining now. Rest a bit."

"I went—after we parted there—to

get the things for Cuby—and I carried them down to the boat-

Wait a bit, wait a bit, laddie—let's pain, fix these pillows here. There's time enough, wait a little, now-

"No—I want to tell you. Then I hear it ache. Kite ou went back to the town and bought fellow—and hurry up." some little trifles—for Mrs. Skipper and Rhody—and I bought half-a-dozen fifteen minutes. I'm such a fool of a young one for you and me to smoke going home." well run down.

shining like sunlight on his poor, hurt face; and if any degree of the high joy and gush of love and yearning that I felt for him then showed in the smile I gave him back, he must have thought I was a soft one for a son of Neptune.

there—I thought, if I could get into an infant. alleyway maybe it would shut off the

The next thing I knew-when I ending tortures through me. I felt my tragic young potato-farmer safe hereafter for fear of me. But Mary the mire around me—and I crawled and behind me.

felt the rocks each side; and it may have been—I don't know how long—before

"Who is there—and what do ye to work with—and I'd fall back and have He's takin' a good, long nap this mornant?" I growled.

to begin again. How long it seemed in', I reckon?" want?" I growled.

"Jim," said a voice, and I started down there, Jim, only God knows—till managed to climb up; and I reasoned it right.
out you would be here at the hotel. Here But it was he-Rob-and I sprang to My body was in agony; but I think that

Rob actually laughed, and the sunken "My God, Rob!" said I, and began around gathering some kindling in the wounds without another word. When I passed in, not caring whether they saw I had his face recognizable again, and me or not—they did not see me—no one fering, his eyes sunken like a man's who God bless you, Jim, is it really your face sneaked in here, soon as you and your myself times enough. I wanted to say has been to the grave itself.

looking down at me? I thought once 'choice' article left."

myself times enough. I wanted to say it to you." "I never I should die there without getting to you.

pretty as ever. But I'm going out to get "And—they took my money—every some liniment and bandages for that where they left their boat, did they? scrap of it."

"What! In God's name——" take a nap."

"No," said she shortly. "They acted

hear it ache. Kite out—that's a good

'Better give him a little nip some-

how I'd get half-a-dozen prime cigars the doctor significantly; "he's pretty mediately after we did at the restaurant,

get to work.'

it this way and that; and Rob, white as Rob. death, with his teeth clenched, never And I got them," he went on, "and uttered a moan. Relief came pres- at ebb tide the conclusion would have thought in her heart for the great doccoming out of the shop-you know how ently, though, from the applications been that he had staggered along the tor; it was a look straight out of her the quarry runs along there—dark— the good man put on, and Rob turned quarry edge hopelessly drunk, and had soul, that she could not help, for that back of the shops—for a ways, along over on the pillows and slept like an fallen over; his wounds would all have big, winsome, tragic-joy of a young man,

I locked the bedroom door behind me, blow with a loaded club struck me- and to get to the furnishing store for that would have gone down, too, with terribly—on the head—and, Jim, the some whole clothes for the lad. I the undeserved stigma of "drunkard" last thing I saw, and all I saw in that found it was still too early to get ad- at last and of one faithless and fallen, know that hand—and I saw it. It was for all the world like an old bird hover- erect and true. there, Jim, over me— as sure as judg- ing over a nest. I turned the key pain, you could almost see the bliss of she had spent life and substance.

The wind was beginning to leap up from the nor'-west a bit, and my heart was taking a swing with it. Rob had been true, and by the miracle of God his bruised body was safe alive. I'd never and overhauled her, to have all in readiness for sailing if Rob should waken fit for it later in the day. As I went back along Main Street I heard the usual clattering in the restaurant, and the impulse took me to turn in there. By the time I had discussed some the blow came back to me, and the breakfast, and put a few observations and sobbed before he could speak again. sight, sure, of that dreadful, familiar to the table-girl, the bank would be hand—and I realized that I had been open and I could get through business thrown over into the quarry for dead; and make back to feed and clothe the I cared no more than as if I had been and if I'd come to half an hour later, nestling, who would be eager for trying

they might be hiding somewhere about. lonesome. I guess he found the hotel, I tried to climb out, but in the darkness all right, and hasn't had to use no sal-

'That's just where you are mistak- this from my bed, for it was Rob's voice, morning came enough so I could see the en," said I gayly; "he hasn't touched a would know from youonly husky and weak, like the ghost of outline of things—faint—and then I drop of drink of any kind. He's all

Her face fell, and she said insolently,

"he's something rather choice." She to act this thing out reasonable. You've as nothing ever did before, Jim, and set the remaining dishes down very

janitor and his boy were pottering with a bald attempt at being genial. around gathering some kindling in the "You must be a lunkhead," she re-

friends are?" "Sure. You're right. But, for in- hand." found that his arm was not broken, else was stirring. I went up to the stance now, a dark fellow, sort of surly

"Guess he wasn't anxious for your Him and another man

"Him and the Frenchman?" "French or Dutch or Portugee, what do I care?"

"You are not going to be crippled," "Of course not." I placed a fee for said I, "and in a week's time you'll be as her on the table and spoke lightly. "They did not say among themselves

"Since you give me my choice," said like a pair of sneaks, and gobbled their Rob, still carrying on by way of a joke, vittles, and lit out. Thank ye"—she up with courtplaster and his arm in a Rob, still carrying on by way of a joke, though his teeth were chattering with picked up the silver, but hustled about sling. It was night, and for some reapain, "I'll wait to take my nap till as though it were my business to be you've brought something to ease this gone. Rob would never have had such arm. Say, Jim, it hurts so I can fairly brusque treatment at her hands. Little the were glad of that.

Well, if I'm anything in line of descent from a wizard, I'm surely mighty hear it ache. Kite out—that's a good I can fairly hear to he fell was no heafly was no health size and his arm in a sling. It was night, and for some reasons, we were glad of that.

Well, if I'm anything in line of descent from a wizard, I'm surely mighty heart from their feets. I had a doctor there within the next If the blow had cleared his head, it had mazed and staggered mine.

mingled som tickling my shopping-list, all the time, what's the matter with this arm," said he follow us to Waldeck and dine imand expect to go undetected of those soul and body. Only hurry up, please doubt, to "make a good job of it," and and stretched the poor arm, and worked the tide would have sucked in over somehow, somewhere

been accounted for by that fact. It was Robert Hilton. that one glimmer of a masked hand bewind enough for me to strike a match— and left word no one was to disturb the fore Rob's reeling senses that fixed the occupant there. My purpose was to get crime at Bate's door. Not only would flash as I fell—hush—you come nearer mission either to bank or shops. So I one who had proven so faithful, who, in —I saw Bate Stingaree's hand. I crept up the hotel stairs again. I was spite of every temptation, had stood oite of every temptation, had stood he met her look straight.
ect and true.

"Miss Stingaree," said he, "I met
And one complication of it was that with an accident. But on my word as

He was sleeping so deeply, free from day's work. To shield and rescue Bate came to—I was lying among the rocks his rest in a halo 'round him. I drew save him in the end was, after all, her "Rob's word does not need any and mire—at the bottom of that quarry; the blinds down, against the sun should chief earthly ambition. She must not witness," said Mary, very softly, very at where I was, at first, I did not rise that far, for it was already making know. I would seek him out by himlow. Jim, it was hell—black—dead signs of burning up through the fog; self, and I would send terror through night—and one arm no good—only then I went out again on tiptoe, locking his soul. He should walk straight

So I did my errands in the town, winning out to this conclusion of the matter, and with the next tide Rob and I set sail for home. It was not till we had clipped past Barstake Island to a fair wind that Rob, fingering over his cease to be grateful for that to my fair wind that Rob, fingering over his dying day. I went down to my boat new jacket with his able hand, found the pocket secured by two rows of pins, just as the old one had been. Blushing and trembling, he worked in and found

the roll of two hundred dollars.
"D—n you, Jim," said the boy, in a queer voice that belied the malediction of his words; and he put his head down

'You know what I meant, Jim. You're enough to make a man want to live, just because there is such a one as you to be his friend. But I can't take it, Jim.'

'See here," said I, reasonable "there "I did not cry out nor call—I thought ly, "here you be again, all by your ain't any sentiment about this. I'd give my blood for you, lad, and all I have for you, for that matter. You're I had to go by feeling, and only one arm eratus to make his drink beady—te-he! true. But it isn't that. We've got to to work with—and I'd fall back and have He's takin' a good, long nap this morn- go on, you and I, as if nothing had happened. Mary must not know about business of Bate's. She never

> I stopped him, for the splendid loyalty and vindication that blazed in his eyes. "I know that, Rob. Never would "Why doesn't he come and have she have known from you. I don't breakfast with you, then?" need your word. I would take my "Oh, he's a swell; he'll take his dying oath on it, on the Bible, she never breakfast at the hotel," I made answer; would know, from you. But we've got got to go home to Mary's with your money. And Rob, don't you fret; you'll pay it back to me. I am thinking," I sighed, "it may be easier than you think, now, for you to pay it back to me sometime. That'll be all right. joined, "how do I know who your Meanwhile, you and I have got to work together in this business, hand in

"Jim, I'm a great ass of a baby, with my cheap pride, and all; but I wanted to say that first to you—'Mary must not know.' I've said it over and over to

"You didn't need to. I knew it of "Jim, if I don't pay it back, it won't be for lack of anything a man can do, or

bear, or deny himself."
"I know, Rob. You needn't to

talk." We went up to the Stingaree house together. I wanted to do that, and Rob let me—Rob, with his face patched

hand as he fell was no hallucination reading people's hearts from their faces go; and something got settled in my heart for good and all when Mary Stingaree opened the door and Jim, I'd had that pleasing my mind and thing to brace him up while I find out his brutality, I knew. But how could Some lives seem, anyway, just to run a tickling my shopping-list, all the time, what's the matter with this arm," said he follow us to Waldeck and dine impredestined course of "giving up," predestined course of "giving up," "giving up," and, on any occasion when they wouldn't do it voluntarily, having He smiled, and I let him take his own way for reeling off his yarn, for it was young heavy on him till it was spoken. He was there—Rob, himself—with truth shiping like suplight on his poor hurt soul and hody. Only hurry we place doubt to "make a good ich of it "and like wouldn't do it voluntarily, having incriminating circumstances? Then I remembered the slow, morbid working of a sort of meat and drink to them! You membered the slow, morbid working of a sort of meat and drink to them! You his mind, with hate and revenge paradon't know but there's a fashion of enjoyment of its own goes along with it, like you can acquire a taste for bitter by a hand's turn luck might have fav- things, and make the best of it, and Sawbones looked at him curiously, ored him. A few moments more and reckon it's all going to sum up for good

> It was not for old Iim Turbine—that If the lad's body had been discovered look in Mary's eyes; it was not for any

And the deuce of it was-see what a pair of haggard eyes and a score or so of bruises will do for a fellow!—He was "I was holding the match protected to the bank for a couple o' hundred he have thrown Rob's body to destruction not one bit of a simpleton to her any in the scoop of my hand—and was dollars that I meant should go back to tion, but the fair name for which the more. I believe, true, that blow and leaning forward to light up-when a Power Lot in Rob's pocket, after all; boy had struggled so painfully and long; fall had sent him up instead of down, after all. He was a man glorious from head to foot, a sort of veteran, gravefaced, square-shouldered, plastered up though he was, with his maimed arm;

ment day-I know that hand-and I softly and took a look at my fledgling. Mary must not know the details of this a man, it was not drink. I never touched a drop.

"I'm witness to that," said I.

gently, to us both.

Tears of triumph and joy sprang to Rob's eyes. And I too -well, I was

(Continued on Page 140)

Ingle Nook

CHILDREN FOR ADOPTION.

Editor Farmer's Advocate

We are desirous of finding good homes for some children who are already wards of this Society. The homes that we require are with good reliable farming people who have preferably no children of their own, and who are in comfortable circumstances children in this luxurious life. and are able to look after a child. to send them application forms, and on their filling out same, their referchildren such as they need.

for this purpose.

E. SURGENT, Secretary, pro tem, Children's Aid Society.

A HOLIDAY.

of May 27th, many duties which pre- little home, but peeking in at the front vent a farmer's wife taking a holiday door we saw several eggs. Feeling that were mentioned. We all feel that these we had disturbed Mrs. Meadowlark and many more are the responsibilities rather unceremoniously at this early not to be neglected by a farmer's wife, hour, we waited only to look all about holidays for even the busiest.

circumstances; that she has children we placed a stick in the ground near from the ages of two to young manhood by, in hopes that we might often call to and womanhood; that she has farm inquire for Mrs. Meadowlark. It will, laborers living with her and only ir- no doubt, be disappointing to you, responsible help; and also, that the even as it was to us, to know that farm is situated far from lake or moun-though many diligent searches were tain district which might constitute a made for that picturesque little home

holiday means. As we like to think of concealed in the grass. to think of a holiday as perfect rest; yet basket full of mushrooms to add savor who was ever idle both in brain and muscle, during a holiday? Surely no one muscle, during a holiday? Surely no one and cleared away one and ever enjoyed perfect idleness! Is it after, to make less, instead of more milk; beat in the yolks of two well-drop in spoorluls on a hot greased adjustment of work for those both labor and pleasure, with suf-fording us our holiday) and also gather- you sift in the flour; add one tableficient time for rest in sleep, and suf- ing a nice basket of wild flowers to give ficient refreshment of mind and body in life to the empty winter vases and carry

"God's great out of doors?" Even our holidays will depend largely upon individual tastes and "Advice helps no man but suggests self help." our messages of enjoyment to those at home, we returned to the indoor pleasures for the heat of the day. I was then generally permitted time to takea No one needs a holiday more than the general supervision of the home duties, over-busy woman, but it is usually she and my heart was too full of nature's who is, in her own idea, least able to inspiration and enjoyment to express holiday. To such, or to any approach-suggestions to those who were doing ing such state of mind, holidays must their best. be self compulsory. Have you ever Needless to say, during these many said to yourself: "Oh, I wish I could hours of cheerful inspiration, we found read all day; I wish I could live outside expression for our souls in music, and all to-day with the birds and the flowers; in reading aloud many entertaining I wish the horses were not always so stories. Many dainty simple dresses hard worked, so that we might oc- seemed to get made as if by a magic casionally take a pleasure drive;" or, machine. It was never any trouble "I wish I could take time to make during a morning to wash and iron a pretty furnishings for my home or few simple little dresses and it was dainty clothes for the children; but always our delight to look as fresh as a that washing and ironing and churning daisy. This reflected itself in all liver, which has been cut in strips, in cases of cold or fever, taken in cold and getting of meals and darning and around us and others felt fresher, cold water until the meat is tender. water. (Many of our readers will not mending, combined with all the other cleaner and cooler merely by our little

short time, to cast aside all over-burdens found it a pleasant employment for the cubes. Mash the yolks of three hardof mind or body, or rather, what is spare minutes, while we were astonished boiled eggs with one-half cupful of more practical, to out-crowd them with to find how much we improved our cream. Place two tablespoonfuls of the study and enjoyment of the highest work by adding this new inspiration of butter in a saucepan and when melted ideals and ambitions within me, at the competition and reward. One of the add one rounding spoonful of flour; cents' worth each of borax and cam-

all around me. morning in which to take the first of our itself with very little carving to this mixture become hot without boiling, ing water Bottle when cold and daily holiday outings. Our extra sleep odd new ornament. Before the jug as this would curdle the eggs. Just shake well before using. was not to be taken in the early morn- was quite complete, came the delight of before taking up, grate in a little nut-

We were up and out to the call of the birds, not to wash or milk or churn, but (with the little one in a little wagon) to take a long walk and watch and listen to the birds, returning The before the sun had gathered all the dew-drops from the grass. Half of my pleasure in such an outing was the keen interest and merry participation of the world to enable them with fresh in-

Previous to this we had treated our If any of your readers are desirous bird neighbors as very formal friends of adopting a child we shall be glad and though we knew many of them by sight, we had, in no sense, appreciated their worthy companionship. The first ences proving satisfactory, we would to welcome us was the meadowlark do our best to supply them with the When one saw his brisk movements and There neat attire his call sounded much less seems to be at all times a preference mournful, and we realized that probably for the adoption of girls, and, his great difficulty in calling people though we do not wish to exclude ap- up at his energetic rising hour ac-plications for girls, we would like counted, in some measure, for the imspecially now to obtain several appatience and discouragement suggested plications for boys, as we have in his minor notes. It was not this several in our Shelter waiting to be first morning, nor for several mornings, sent out.

We trust and believe that this appeal will result in a number of appeal will result in plications from desirable people, as Perhaps you have never seen the pichas been the case when you have be-fore allowed us to use your columns latticed walls. It is cleverly concealed, made entirely of grass as it grows. The floor is as smooth and clean as ours, with our beautifully woven mattings, and the pretty arched roof is quite Children's Aid Society. thick with long grass bent over, woven together and fastened with much skilled workmanship. I am sure it would prove quite water-proof.

It was the sudden flight of the bird Dear Dame Durden:-In your issue that had attracted our attention to the yet I shall try to suggest some possible us to place in our memory the exact holidays for even the busiest. Granted, that she is in only moderate and to help to attract our attention we never again found it or any quite It must first be understood what a like it; thus showing how well they are

> who were so kindly our messages of enjoyment to those at

duties makes over-work and ill-temper, thoughtfulness. We started some of ing, those most invigorating hours of finding in a similar unexpected way, meg.

just lying by the roadside, a very spiration to take a few minutes every knotty, twisted, twig handle—I say day of the year to study how best one handle because, with a chip off the top can use her life, both for her own and bottom to make it fit the jug, it was physical and mental advancement and quite complete as such, fitted the hand, for the worthy and improving comand allowed a rest for the thumb. panionship of those around her. Most (The ornament still remains with the of all let her take time to know her one who made it, though several an-children. tique hunters have tried to entice it

should take a holiday from "all work shine and good spirits, and when posand no play," and refresh mind and sible, to convey such to sick or depressed body with sufficient of the outside or hard-working neighbors.

It was never any difficulty for us to get a holiday after that, because there Have farmer's wives not some ac-were always some of the household complishments? Have they not some willing to work twice as hard in order to ambitions beyond slavery? Then they send us out to gather in news and sun-

G. M. H.

Selected Recipes

Kidney soup—One bullock's kidney, two quarts of stock, three sticks of celery, two turnips, two carrots, a bay flour, ½ lb. chopped suet, ½ teaspoon leaf, bunch of sweet herbs, pepper and salt. Method:—I often use the stock out thin and line a granite or earthentam tutton has boiled in for this soup, after carefully removing all fat. Place the stock in a saucepan with the kidney, Steam for 2 hours. and simmer till half cooked, then take it out, cut into dice, and replace in the stewpan. Slice the vegetables finely, and add to the soup with the herbs. Simmer all for three hours, and then pass all through the sieve, season to taste, adding a little made mustard. Let all boil up, and serve with sippets of bread crumbs. Cook in smoking hot fried bread.

Rhubarb Jam.—To each quart cut rhubarb allow I lb. sugar. Remove the white rinds and paps from 6 oranges and slice, peel and pulp into the preserving kettle with therhubarb and sugar. Cook all slowly until thick as desired.

Baked Ginger Pudding.—Bake a light gingerbread without fruit, cut, into squares and serve with the following sauce: Melt butter the size of a egg; stir into it a heaping tablespoon of flour, half a cup of sugar, 1 spoonful of molasses and a pinch of ginger. Pour the mixture till quite a ball of egg and enough boiling water to thicken and breadcrumbs is formed. Fry, cut let boil for ten minutes. Serve hot. A cottage pudding can be made in the same way by leaving the molasses out of the same.

Heaven as perfect rest, so do we wish Gathering on our way home a litte coffee cupfuls of flour, three teaspoon- cream of tartar; 1 egg. After mixing spoonful of melted butter; when smooth beat it into three-fourths of a coffee cupful of chopped, floured dates, and lastly, force in the stiffened whites; put in warmed greased gem pans and Put in 11 pints of the berries and pour bake 25 minutes.

Cold Meat Omelet.—Half a pound of take, or at any rate, to enjoy such a itself in anything but encouraging cooked meat chopped fine; 3 tablespoons flour; an onion par-boiled and hopped; 1 tablespoon chopped parsley ½ pint milk; 1 egg; 1 teaspoon bakingpowder, 4 tablespoon salt; ½ teaspoon pepper. Sage or thyme may be used instead of parsley. When all is mixed put into a well buttered pudding dish and bake 3 hour. Serve with brown boiling water for an hour, skimming

This process must be slow or the liver care to use the brandy and will find the will toughen. When done, remove recipe just as good if it is left out .-For my holiday I wish, if only for a our work for the coming exhibition and the meat and when cold cut into inch D. O.) We (my children and myself) had long carefully carved, with pen knife, out of then a few grains of pepper and salt

Steamed Steak Pie.—For the paste mix together with cold water 1 lb. of

Fillet of Fish.—A fillet of haddock cut into pieces and dried with a towel. Rub over with a mixture of flour, pepper, salt, dip in a beaten egg and then in dripping.

Potato Balls.—Mash boiled potatoes with a bit of butter or a little milk. Take out in small portions and rub into balls with your hands. Dip in egg and bread crumbs and fry.

Birds Nests.—One teacup breadcrumbs; 1 tablespoon suet; 1 dessertspoon chopped parsley; 1 egg. Mix all together with the egg. Take 3 hard boiled eggs, roll in flour, then roll in through the centre and serve.

Pancakes.—Half a pound flour; 1 oz. butter; 2 tablespoons sugar; 1 small Date Muffins-Stir together three teaspoon each of baking soda and

Raspberry Vinegar.—Have 4½ pints fresh raspberries and a clean stone jar. over them 3 pints of best vinegar. stand for 24 hours, then pour the liquid over another pint and a half of fresh berries and let stand again. Repeat the process once more thus using in all the 41 pints of fruit. Strain then through a jelly bag without squeezing. Wet the bag with vinegar juice before using. To every pint of the strained juice allow a pound of loaf sugar, stirring it in until dissolved. Then place the stone jar in a pot of constantly as the scum rises. After it has boiled an hour add a glass of brandy to each pint of liquid. When Liver, Terrapin Style-Simmer the cold bottle, cork and seal. Use it in

WASHES FOR THE HAIR

For a good hair wash take five same time extending such pleasures to most interesting and odd of the ex- then stir it until the mixture is well phor added to a pint of boiling water hibits was a very antique-looking jug, blended; add the yolks and the liver, and left to dissolve. Bottle when cold. 2. Half a pint of olive oil and five looked forward to a bright sunny an old dead branch of a tree, which lent to suit the individual taste. Let the cents' worth of borax in a pint of boil-

3. A little resemany water and borax mined makes a good hair wash.

nutes every ow best one r her own ement and oving com-her. Most know her

y for us to cause there household in order to vs and sunwhen posor depressed

G. M. H.

paste er ½ lb. of teaspoon salt. Roll or earthen-

ds of steak

nto pieces.

f haddock th a towel. ur, pepper. id then in loking hot

potatoes ittle milk. id rub into in egg and

ip bread-1 dessertegg. Mix ake 3 hard ien roll in of egg and Fry, cut

lour; 1 oz. r; 1 small soda and er mixing ne egg in sufficient atter and t greased

4½ pints stone jar. and pour gar. Let pour the a half of d again. lore thus Strain it squeezgar juice t of the d of loaf dissolved. a pot of skimming es. After glass of When Use it in in cold will not 1 find the ft out.-

ake five and camng water hen cold and five t of boilold and

iter and wash.

WHY DIDN'T YOU SUGGEST A NAME?

AUGUST 19, 1908

thought I would try my luck again. I think it was a very wise plan to

Children's Corner

name like "Inglenook" or "Dame

Durden'

My cousin used to be the manager ADVOCATE staff.

would be better still.

would be nice to call our club some nice club every success. DAFFODIL.

A PLEASANT HOME

cosy corner, and as my last letter es- can take good photos with it. I wish I I passed the entrance examination caped the "waste paper basket," I could see your photo, or yourself last summer and I have not been going I passed the entrance examination Corner every success. to school since. My oldest brother is ten Now, I think you will be tired reading years old. He has a rifle and has lots of adopt pen names. Don't you think it this letter, so I will close wishing your fun shooting gophers and blackbirds

I have one sister older than myself and three sisters and two brothers Dear Cousin Dorothy:-This is the younger. I live on a farm about half of the FARMER'S ADVOCATE, and my second letter I have written to the a mile northwest of Kelloe. Our house cousin Charlie used to belong to the Corner. My other letter escaped the is brick veneer, and we have maple DVOCATE staff. waste paper basket, and I hope this one trees all around it. We have a nice I have a sister named Dorothy. She will also. I agree with many other lawn and we play croquet in the sum-Dear Cousin Dorothy:—This is the has a camera that father brought her correspondents to the Corner on the mer. I hope I have not made my let-second letter I have written to your from Winnipeg three years ago, and she subject of pen names.

> MAPLE LEAF. Man. (a)

Advertise in the Advocate

Our Fall and Winter Gatalogue is Out

UR new Fall and Winter catalogue has been issued; if you have not already received a copy we want to hear from you without delay. As usual it will be found an authority on styles in men's and women's apparel of every description and as usual it is the standard of low prices for all of the many lines of goods we carry. But write for the catalogue and see it yourself; and in ordering goods try to make up at least one hundred pounds weight of merchandise. They can then be sent at the minimum freight rate and of course freight is altogether the cheapest mode of transportation. But any portion of one hundred pounds costs just the same as the full hundred weight. In view of the advent of harvest and the approaching threshing season we publish here a list of much wanted articles at Eaton prices. So as to avoid possible delay order early. Our liberal guarantee which you will find fully explained in our General Catalogue insures satisfaction.

Harvesters' and Threshers' Supplies.

			Diamond "E" Machine Oils.		
			In bbl. per gal.	hbbl. per. gal.	5 gal. cases eacl
6a	Diamond	"E"	Amber Cylinder Oil65c	70c	\$3.75
06	((4.4	Dark Cylinder Oil46c	50c	2.85
	4.4	4.6	Gas Engine Oil55c	60c	3.25
	4.4	4.4	Engine Oil33c	37c	2.15
	4.4	4.4	Dynamo Oil	60c	3.25
	4.4	4.4	Cream Separator Oil45c	50c	
	6.6	6.6	Harvester Oil40c	45c	
	4.4	6.6	Castor Machine Oil29c	36c	
	6.6	6.6	Black Machine Oil25c	30c	
	4.4	6.6	Neatsfoot Oil 80c	85c	4.50
	6.6	6.6	Dark Axle Grease, 25 lbs		1.50
	* *	4.4	" " 10 lbs		75
	8.4	4.4	Threshers' Hard Oil, 10 lbs		1.10
	Row line) had	bbl. lots per gal.	5 gal.	

law linseed Oi 85c Boiled Linseed Oil...... Wood Alcohol

Coal Oil and Gasoline.

E" Brand Highest Grade American Coal Oil, in barrels of about 44 Imperial Gallons (no charge for barrels) per gal........ 26c Shipping Weight about 400 lbs. In cases of two five gallon tins (wine measure) equal to 81 gallons Imperial measure, per case..... Shipping Weight about 85 lbs.

Bright Light Refined Burning Oil.

24b. In barrels of about 44 Imperial gallons (no charge for barrels) Shipping Weight about 400 lbs. In cases of two five gallon tins (wine measure), equal to 81 gal-Shipping Weight about 85 lbs.

Gasoline.

24c. Highest Grade American Gasoline, for Gasoline Lamps, in barrels of about 44 gallons Imperial measure (no charge for barrels) Shipping Weight about 400 lbs. In cases of two five gallon tins (wine measure) equal to 81 gallons Imperial measure, per case..... Shipping Weight about 85 lbs. High Grade American Gasoline, for Gasoline Engines, in barrels of about 44 gallons Imperial measure (no charge for barrels)

In cases of two five gallon tins (wine measure) equal to 81 gallons Imperial measure, per case..... Shipping Weight about 85 lbs.

Note-Barrels weigh about 400 pounds each, and cases 85 pounds each. We sell these goods only by the Barrel or Case.

Rubber Belting.

The line we handle is one of the best made, heaviest duck being used in its construction. It is not affected by dampness or change in temperature. It is uniform in width and thickness. This belting is thoroughly stretched in the manufacture, thus reducing to a minimum the amount of stretching caused by work. We guarantee it to be thoroughly reliable.

23-45	150-ft. 7-in., 4 ply endless belt	5.75
20 10	150-ft. 7-in., 5 ply " "	A.TO
	150-ft. 8-in., 4 ply " "	3.75
		9.85
	160-ft. 8-in., 4 ply " " 6	8,00
23-46	Best Star Rubber Belting.	
	2-in. wide, 3 ply, per foot	15c
	4-in. wide, 4 ply, per foot	23c
	5-in. wide, 4 ply, per foot	27c
	6-in. wide, 4 ply, per foot	31c
	7-in. wide, 4 ply, per foot	39c 43c
	8-in. wide, 4 ply, per foot	230

Prices quoted on any length of belting on application. Our endless belts are 150 ft. actual length, not 147. In ordering give Number.

Tank Pump and Suction Hose.

23P-43. Our low down Tank Pump, is the most powerful pump of this type manufactured. It has a 5-in. double acting cylinder, sucking water at each stroke of the piston. The openings are 2-in. in size for both suction and discharge. It has a capacity of 2 barrels per minute, and will throw a stream 60 feet. It is equipped with brass valve seats, and has a connection for discharge pipe, so that 1-in. hose may be attached if desired. We furnish a large strainer and clamp with each pump. These pumps are specially adapted for threshers, for draining cellars, or for cistern purposes. The price includes hose clamp, strainer, and 1-in. discharge nozzle. Shipping weight 100 lbs. Sale price \$6.50.

23P-44. Suction Hose for tank purposes \$ 7.00 2-in. wire lined, 20-foot length....... 2-in. wire lined, 25-foot length..... 1-in., discharge hose, per foot.....

Write for our special Grocery Catalogue which is issued every two months.

per gallon

Shipping Weight about 400 lbs.

T. EATON WINNIPEG

TAKE CARE

Take care of your stomach and your health will take care of itself. That is the golden rule of correct living. Your stomach is the factory of your body. It is there that the raw material we call food is prepared and made ready to be absorbed into your system and turned into blood, brain, bone and sinew. See to it then, and help it when it fails with Mother Seigel's Syrup, the great stomach healer, and David Martin, Beaver Brook. Albert Co., N.B., writing on January 20, 1908, says:-

"I have used Mother Seigel's Syrup for stomach troubles, and would not be without it on any account. I had much pain after eating, and often could not retain my food. It was thought my complaint was chronic, but the Syrup completely cured me.

MOTHER

SYRUP

IS THE SURE MEANS.

Price 60 cts. per bottle. Sold everywhere.

A. J. White & Co., Ltd., Montreal.

British Columbia IRRIGATED FRUIT LANDS with Water Free

Several hundred acres of the finest fruit lands have been put on the market for sale in the Kettle Valley, which have been subdivided into lots of various sizes; many of these front along the river and are beautifully situated. Soil a rich sandy loam, which produces the most magnificent apples, small fruit and vegetables. Very valuable local market only a few miles away in the flourishing mining district of the boundary, where the monthly pay roll is \$250,000. Splendid climate. About 30 miles east of Okanagan Valley. Excellent reliway facilities. Prices only \$100 to \$150 per acre. Abundant supply of the finest water and no rent to pay for it. Apply to

D. R. TAIT, Secretary, Manager. Kettle Valley Irrigated Fruit Lands Co MIDWAY, B. C.

Winnipeg Agents: B. M. Tomlinson & Co., Edward Building Opp. Eaton's, Winnipeg, Man.

POWER LOT (Continued from Page 137)

content, as I trudged home alone in the dark. She, who had been my learned lady, and above all flesh, was mortal after all. How sweet to ecstasy that thought might be to the mortal who had made her mortal, a man can imagine. But Rob was too slow, and had been too deeply hurt once upon a time by her incisively expressed disapproval of him. Once he would have thrown himself to earth with joy, just to ter. What would be a good blister for a subterranean spring be present under touch the hem of her dress; now she it, or what would you advise to do with where the instrument has been fixed, the was too far away for him to make the it? Should he be kept in the stable, needle commences to move; note being

was the lost glory of his dreams afar off | before greasing it; and how long between the spot where the greatest movement in the sweet elysium of the things that blisters? "cannot be."

"My lady," said I, tramping on alone, "and may it all be as you wish, and it shall be, if Jim Turbine can help; but it was a proud heart you struck low in into place; in other cases (complete dis-terranean spring does not exist under Rob Hilton—as proud as it was simple and humble, if I may so speak. And your soulful eyes will have to tell their sistant to draw the limb well forward. The witch-hazel or apple-wood crotch and have an assistant to draw the limb well forward. story more than once before he'll look the hand being used to press the bone attribute its action (?) to the electrical into them with any hope to find his

(To be continued)

Questions and Answers

WIDOW'S RIGHTS.

What are a widow's rights to the property of her deceased husband? She is the second wife with an adopted child, and the children of her husband's first wife. What are the children's rights?

Alta Ans. If the husband left no will, his widow is entitled to one-third of his property only, while the children receive the other two-thirds. The administration of the property to be carried out by executors named by the proper authorities. If the husband left a will the property should be divided ac- of rupture. Unless it gets much worse cording to the conditions of the will. The adopted child has not the same property rights as children of the

GROWING RYE.

buy the straw, and what do they pay for it?

S. E. Man. G. G. K. by the harness makers in Winnipeg, The Great West and Winnipeg Saddleries) at about twelve to fifteen dollars a ton at point of shipment. The straw, of course, must be clean and tied in bundles. The Mennonites thresh it with a flail so as not to crush the straw but a machine may be used if it is not set at too high a speed and the sheaf be withdrawn when the head is threshed. Rye straw is very scarce at present and there has not been an print. over supply for several years. We should think it would be quite a profitable crop to grow on light land but, like other crops, the heavier it is up will be. A lot of people think because crotch? it is rye the crop must be light, but there are good and poor crops of rye as of other grains.

DIFFICULT CHURNING.

summer in getting the butter to come water, but I can see no reason why the after it is broken. We churn somewhere witch-hazel or apple-wood crotch should about two to three hours before it will turn and indicate water; consequently I gather, and so cannot ascertain the have no confidence in it. On the other reason. We use a Daisy churn, also a hand, I have heard most estimable peoseparator. We have no farrow cows, ple declare that they had seen this and cows get plenty of the half gallon pea meal twice daily. The wasture. W. J. C. and cows get plenty of salt: also a

enough, or it may be too thin-that is, convince a man who had had such too much milk in it. If you will ob- experience that there was no virtue in tain a richer cream, by adjusting the the witch-hazel or apple-wood crotch for outlets of the separator, use a thermom-finding water. eter, see that cream is rich enough; churn at a temperature of 65 degrees, and have the churn not much more than field & Co., Liverpool, England. A half full, you should have no difficulty pamphlet describing the instrument in getting butter in thirty to thirty-five

DISLOCATION OF STIFLE.

In partial dislocations in grown horses made. sometimes a sharp crack of a whip will "If the needle remains stationary, it startle the animal and the bone will fly may be taken for granted that a sub forward and inward, when it will usually currents which make the needle move in fly into place with a sharp click. Once in place, it is best kept there by keeping O. A. C. Wm. H. Day.

the limb well forward by means of a side line. There is no better blister than cantharides (Spanish fly), one part, to clean lard, six parts. Clip the hair off and rub in well, and grease the third day. Repeat the blister after two or three weeks, and again repeat if necessary.

UMBILICAL HERNIA.

I have a colt, three months old, that for the last two months has had a lump on the navel about the size of a hen's egg, and lately it seems to be getting a little larger. The lump seems to be quite soft, as though it were filled with water, and can quite easily be pressed back up into the body. What is the matter with it? What is the cause of Is it dangerous? What will cure A Subscriber.

Ans.—This is hernia, or a mild form it may be as well to leave it alone for a few weeks, at least, as sometimes nature works out a cure of this class of trouble. If it continues to grow worse it is advisable to put a truss or pad over the part, supported by a leather or strong linen bandage four or five inches My land is very sandy and there is wide around the body. Make a pad also some gravel on it. Grain does not about the size of a small deep saucer wide around the body. Make a pad yield very well except rye. What do on the bandage to fit over the rupture you think of growing rye? Do saddlers to keep it in place. Have the straps and buckles fastened to the bandage so that it can be regulated and fastened to prevent its slipping or shifting back Ans.—In some districts of Manitoba, or forwards. Keep this on for three among the Mennonites, rye is quite ex-tensively grown. The straw is bought a cure, have your veterinarian apply a

> A correspondent at Lewiswyn, Sask. asks two questions, but as he did not observe the rule of signing his name when writing, we have not published the replies. We require the names of correspondents before answering questions. No man should be ashamed of his name, or of seeing his initials in

WITCH-HAZEL TO FIND WATER.

1. Do you put any faith in the finding to its own limit the more profitable it of water by a witch-hazel or apple-wood

2. If so, why does the crotch act as it does

3. Why will it act with some people and not with others?

Ans.—Personally I have had no ex-We have had considerable trouble this perience with this method of finding nethod indicate They where water might be found, while only a short distance on either side dry wells Ans.—Probably the cream is not ripe had been sunk. It would be hard to

> I may add that there is an automatic spring-finder manufactured by W. Mans-

"The principle on which the instrument works is the measuring of the strength of the electrical cu ents which are constantly flowing between I have a colt that is stifled. There earth and atmosphere, and which are seems to be quite an enlargement, and always strongest in the vicinity of subthe bone cracks when he walks. I have terranean water courses, the flowing kept him in all summer, and blistered it, waters of which are charged with but he does not seem to be getting bet- electricity to a certain degree. Should interpretation of her kindness one of common mortal accessibility.

It is should it be possible to bandage carefully taken of the number of degrees on the scale, and the position of the Moreover, he was bound, and she long should one wait after blistering it instrument changed from time to time, listers? Subscriber. of the needle has been obtained being Ans.—Keep him quiet in a level place, that where the well-boring should be

sistant to draw the limb well forward, not being a magnetic needle, we cannot

BOVRIL

is indispensable in the camp, and for all impromptu meals. Add a little BOVRIL to your canned meats and soups and note the difference.



BOVRIL sandwiches are nutritious and toothsome.

HAPPY THOUGHT.

A lady writing from Ireland says :- "I went to see my sister's baby, who was very ill indeed. She had been up for nights with him without undressing; he was crying all the time as with some internal pain. The doctor told her he could do nothing except put him in a warm bath, which gave him a little ease for the time being

"I thought of STEEDMAN'S SOOTHING POWDERS which I used for my own children; and next day sent some to my sister, when she gave he child half a powder according to directions. For the first time for a fortnight she and the baby, and, in fact, all the household, had a good night's sleep, and the little fellow has continued to improve ever since.

These powders do not contain poison. nor are they a narcotic; but they act gently on the bowels, thus relieving everish heat and preventing fits, con-

> Please notice that the name STEEDMAN is always spelt with EE.

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A \$5.00 TREATMENT

CATARRH Eve, DEAFNESS tar, Nose or Threat; write us today giving DEAFNESS instory of your case and we will send SORE EYES to us absolutely free to try a month's full SORE EYES reatment of the Absorption remedies that cure naturally without son and have been used by over 100,000 persons. Don't delay. The National Eye & Ear Infirmary, Dept. 117 . Des Moines, la.

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Only the Best

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We are our own severest critics. Our experts test every batch of ammunition for accuracy, velocity, penetration and cleanliness.

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For all makes of arms. Costs one-third to one-fifth less than duty paying ammunition. Our guarantee puts all risk on the Dominion Cartridge Co., Ltd., Montreal.

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PEACH&SONS LACE CURTAINS

SAML. PEACH & SONS, The Looms, Box 665 NOTTINGHAM, Eng. (Est. 1857.

Complete Window Drapery Guide in Canadian Currency Guide in Canadian Currency Guk Makkrs and Patentees of "CONTRENET" Curtains, Twice the Wear. No Extra Cost. Latest styles Nets,

Twice the Wear. No Extra Cost. Latest styles Nets, Muslins, Cretonnes, Blinds, Linen, Ladies' and Gents' Underwear, Tailoring, Boots and Shoes. 31 Years Experience Result—Pronounced Superiority.

BENEFIT BY THE PREFERENTIAL TARIFF.

POPULAR CANADIAN PARCEL

6 pairs Choice \$0.40 Half Parcel \$4.30

Contains:—2 pairs effective Diningroom Curtains, 3½ yds. long, 60 ins. wide.

2 pairs exquisite Drawingroom Curtains, 4 yds. long, 2 yds. wide.

2 pairs choice Bedroom Curtains, 3 yds. long, 43 ins. wide. (White or Ecru) postage paid, Marvellous Value. Reliable Goods. Quite Distinct. DIRECT FROM THE LOOMS. DIRECT TO YOU.

Price Lists may be obtained at the office of this Paper Price Lists may be obtained at the office of this Paper

> Stanfields Underwear

fits Women perfectly becaus,e each garment is made to fit an individual type of figure.

After it is finished and goes to the laundry for its final washing, each garment is tested on models ranging from 22 to 50 inch bust measurement. Thus the size is determined accurately. And the size as marked is exact, and stays so, because Stanfield's Underwear can't shrink nor stretch.

Your dealer will likely have all sizes and weights. If not, he can get them for you. 135

STANFIELDS LIMITED - TRURO, N.S.

DRILLING & PROSPECTING MACHINES t drillers known. Great money earners! LOUMIS MACHINE CO., TIFFIN, OHIO. COWS FAILING TO BREED.

It seems impossible to get my cows with calf. I keep a bull of my own; he was two years old last spring, is healthy and in good trim, yet has not got a cow with calf this summer. He was all right last year, and I had no trouble with my cows. Some of my neighbors last year could not get their cows with calf. They took them to a neighbor who had bought a Shorthorn bull; the cows all came back again. I do not know whether he got a calf or not, but a few of the cows came to my bull after. This summer, as far as I know, I do not think there is a cow in calf in the section. The cows are all healthy and in good trim. I have some two-yearold heifers that are the same as the cows. Do you think it is abortion? If so, what would be the best to do? If not, what would be the cause of it, it being general all over this section?

Ans.—If the trouble were due to contagious abortion, the evidences of it would probably be seen in the enlarging udders of dry cows and heifers, and in other indications, and the aborted other indications, and the aborted fectus would be seen in some cases in field or stable. Abortion is often conveyed to a herd of cows by a bull that has been allowed to serve cows that have aborted. The only cure for this malady that has gained any considerable confidence is the tedious task of flushing the cows with disinfectant solutions, and the sheath of the bull with the same and delaying services for the same, and delaying services for several weeks in the case of cows that have aborted. The difficulty, apart from this, is as likely to be in the cows as in the bull, but it would be advisable to try another bull, as possibly the quickest way out of the dilemma.

All the component parts of the Gourlay piano are so nicely balanced as to make up the perfect whole, the case or outer covering of the Gourlay being in keeping with the sweet, beautiful harmonies of sound it encompasses.

NOTICE TO QUIT

I hired a man on March 10th, 1908, for a year. An agreement was drawn up and wages agreed upon for each month. July 27th, he said he would leave and gave me thirty days notice. How much notice can I claim at this season? Should a month's notice not mean a calendar month?

Sask. Ans.—Thirty days' notice is usually considered sufficient in such cases, but it is customary to give the notice upon the end or beginning of a month of employment—in this case the 10th, to take effect the following 10th-however we are not sure a court would so award, and would advise settlement.

INJURY TO TAIL.

A ridge appeared last year on heifer's tail, about a foot from the root, but it gave no trouble. About a month ago it reappeared, and extends all around W. B. the tail and is quite sore.

Ans.—She has had her tail injured in some way. Dress three times daily with a lotion made of 1 oz. laudanum, 1 oz. chloroform, 4 drams acetate of lead, and water to make 8 ozs. If it becomes raw, dress with carbolic acid, I part; sweet oil, 25 parts.

COW WITH COUGH.

Old cow has had a bad cough for some time. She coughs worse after drinking or if chased by a dog. Sometimes when oughing she discharges from nostrils She will calve in October. W. H. B.

Ans.—The symptoms indicate pulmonary tuberculosis, for which nothing can be done. The only means of making a definite diagnosis is to have her tested with tuberculin by a veterinarian. There is little doubt she is tubercular and if her udder is diseased her milk will not be healthful.

ABSCESS.

Pregnant mare's leg swelled up last inter when she stood in stable, but the swelling disappeared on exercise. She became lame for a week in the spring, and her leg broke and ran matter at the



The Perfected American Watch

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G. G. G. Co.

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FARMERS!

TAKE A LOOK!

Wheat Flax

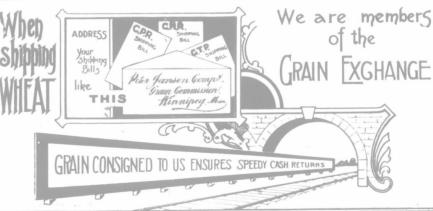
Oats Barley

When shipping your grain this season Remember the Farmer's Company. Don't sell your grain on street. Ship it and get the highest price going. We have formed a Claims Department in our office and all claims for shortage, lumber for grain doors, damage to grain in transit, etc., are carefully looked after. Write for any information you may want and ship your grain to-

The Grain Grower's Grain Co., Limited.

WINNIPEG

MANITOBA



Write for our book "Every Farmer's Form Filler," which we will send free if you state that you saw our Advertisement in the "Farmer's Advocate

ARRH EYES ally without on't delay. Moines, la.

WANTS AND FOR SALE

Advertisements will be inserted under this heading, such as Farm Property, Help and Situations Wanted and Miscellaneous advertising. TERMS—Two cents per werd per insertion. Back 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.

FARMERS! BUTCHERS!! EVERYBODY!!! Keep your knives and scissors sharp by using the Black Diamond Sharpener Stone. Puts keen cutting edge on all tools. Price 25c., postage 7c. Wright Supply Co., P. O. Box 1145, Edmonton, Alta. 22-tf

FOR SALE—We have a number of rebuilt Threshing Engines, Portable and Traction, in first class order, various sizes. We can sell much below their value. Write for particulars. The John Abell Eng. & Mach. Works Co., Lisnited, 760 Main St., Winnipeg. P. O. Box 481.

WANTED—Young men for Firemen and Brakemen, instruct you at home by mail. We assist in securing employment. For free information send stamp to National Railway Training School Inc., 376 Robert St., [Room 176], St. Paul, Minn.

WANTED—Stockmen and others to get their Printing done by The FARMER'S ADVOCATE. Mail Order Job Printing Department. Prices Quoted. Sample sent on application. Address Mail Order Dept. The FARMER'S ADVOCATE, Winnipeg.

WE WANT YOU to mail us your watch for repair and we will tell you what the cost will be. We are specialists in watch repairing. The Manitoba Watch & Jewelry Co., 275 Garry St., Winnipeg, Man.

\$7000—Poultry Ranch for sale. Address Chas. Durbal, Spokane, Washington.

FOR SALE—Cattle and Hay Ranch, land, buildings, stock and implements, endless hay and pasture—a snap. John Sieffert, Winnipegosis, Manitoba.

FEW SECRET FORMULAS-Invaluable to stock raisers. \$3.00 will give you a chance in a life time. Been used by innumerable prize time. Been used by innumerable prize R. winning exhibitors giving excellent results S. Anderson, High River, Alberta.

MEN WANTED, good vision, under 30, over 145 pounds, for brakemen and firemen on all railroads. Experience unnecessary; pay \$75 to \$100 monthly; promoted to conductor or engineer; \$150 to \$200. Railway Association, Room 163-227 Monroe Street, Brooklyn, N.Y. Distance is no bar. Position guaranteed competent men. 22-tf. petent men

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. Notices exceeding five lines will be charged two cents per word for each additional word, payable in advance.

STRAYED—On July 13 from Lot 23, Kildonan, two mile road [McPhillips street], a brown mare six years old, with halter and heavy rope on neck, left hind leg branded figure 2. Also colt about 2 weeks old, brown, with black spot on forehead. Any information leading to recovery of same will be rewarded at above address, or 120 Aikins St., Winnipeg. 22-tf

pastern joint. I bathed it three times daily and it healed, but it still swells when she stands, and the swelling does not all disappear on exercise. R. W. not all disappear on exercise.

Ans.—She received a bruise in some way, and this caused an abscess, from which the tissues became thickened. Get a liniment made of 4 drams each of iodine and iodide of potassium, and 4 ozs. each, glycerine and alcohol. Rub well with this every morning. Feed lightly and give regular exercise, or turn on grass. Some horses are predisposed to thickening of the legs when standing idle, and it is not possible to prevent it in some cases.

ORCHITIS.

Bull's scrotum and sheath became swollen and sore about a week ago. He first few streams of milk are full of had some difficulty in urinating. This injurious bacteria, and should not go trouble has passed, but the swelling reinto the pail for dairy purposes. If mains. How long will it be before he this be correct, the leaking cow has s fit for service?

Ans.—Place him in a comfortable box stall and exclude flies. Give him a purgative of 2 lbs. Epsom salts and 1 oz. ginger. Follow up with 2 drams nitrate of potassium three times daily for four or five days. Suspend scrotum in suspensory bandage and apply heat, either by bathing with hot water or poulticing. Apply several times daily a lotion made of acetate of lead, 1 oz.; chloroform, 2 ozs.; tincture of opium, 2 ozs., and water to make a pint. If enlargement and hardness remains after inflammation ceases, give 1 dram iodide of potassium three times daily (if this checks appetite reduce the dose to 40 grains), and rub the scrotum well, once daily with an ointment made of 2 drams each, iodine and iodide of potassium, mixed with 2 ozs. vaseline. He should not be bred until recovery is complete, and the time varies in different cases.

REGISTERING JERSEYS

Will the Canadian Jersey cattle club admit for registration, as a pure bred, a cow that has been graded up; and how many crosses are required?

Ans.-No. All animals admitted to This is what is commonly called a closed book. Other breeds have adopted registry of graded up stock.

LEAKING MILK.

Can you let me know of any cure, temporary or permanent, for a cow that leaks her milk? Cow has been in milk five weeks; did not leak for the first three, but now does very badly in hind quarters. A. S.

Ans.-We know of no sure cure, but would suggest trying, as a temporary measure, the experiment of soaking the points of the teats in alum water for a minute after milking, as possibly the astringent might contract the opening sufficiently to prevent the trouble. It is not likely that much milk fat escapes in that way, and the trouble will probably be less noticeable after the cow has been in lactation a few weeks. We are told by scientists that the the advantage.

SWOLLEN TENDON SHEATH

Horse, five years old has a soft growth on the outside of hind leg two or three inches long, about one inch in height above fetlock. He is very fine in the bone. Apparently he inherits a poor constitution, as the hocks are not perfect, and he was laid up all winter with a bad shoulder. What is the growth and what is the treatment? He is not lame but stumbles

H. G. B. C Sask. Ans.—The swelling is an enlargement of the sheath of the tendon. The sheath has filled to an abnormal extent with the lubricating fluid these sheaths contain, probably the result of a sprain. If the enlargement is of recent origin, the proper treatment would be the application of cold water bandages, put on sufficiently tight to cause slight pressure immediately over the swelling. Keep the leg well bandaged while the horse is in the stable, removing bandage when the animal is taken out to work or exercise, If the condition is of long standing it should be well blistered two or three times. For blistering use powdered cantharides 1 dram, biniodide of mercury, 1 dram, the Canadian Jersey cattle clubs register lard 1½ ounces; clip off the hair over must be descended from animals eligible the swelling and well rub in the ointfor registration in recognized records, ment for fifteen minutes. Tie his head up for forty-eight hours so that he similar rules, but, as for ourselves, we cannot reach the blistered surface with believe it is in the best interests of a his mouth. Wash off with warm water breed to arrange for the admission to and soap, smear with vaseline every three days, then turn him out to pasture.

Have You Poultry



or Eggs

Your condensed advt. can be placed in our Poultry and Egg column for 2 cents per word each insertion and your message can thus be carried to over 20,000 Western farm homes.

Give it a Trial

Results are Sure

POULTRY AND EGGS

Cash with order. No advertisement taken under fifty cents.

Rates—Two cents per word each insertion.

ash with order. No advertisement taken under largest shows, 1908. Eggs \$1.00 up. Fine Red Cockerels, \$1.50. J. Buchanan, Oakville Man.

T. F.

POULTRY MARKET

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DIRECTORY BREEDERS'

BANTING STOCK FARM — Clydesdales, Shorthorns, Tamworths. T. E. M. Banting, proprietor, Wawanesa, Man. Phone 85.

POPLAR PARK HEREFORDS, A number of young cows, heifers, and bulls now for sale from this famous herd at low prices. Berkshire Pigs. J. E. Marples, Deleau, Man. tf

A. & J. MORRISON, Glen Ross Farm, Home-wood, Man., Clydesdales and Shorthorns. GEO. SWALES, Holmfield, Man., breeder of Red Polled cattle. Young stock for sale.

POLAND CHINA PIGS. Young stock for sale. Stringency prices. W. J. Boughen, Valley River, Man.

A. J. MACKAY, Wa-Wa-Dell Farm, MacDonald Man., breeder of Shorthorn Cattle and Leicester sheep.

MERRYFIELD FARM, Fairview, Thos. Brooks, breeder of Clydesdales and Shorthorns. Box 134, Pense, Sask.

30-10

D. SMITH, Gladstone, Man., Shires, Jerseys and Shorthorns, Yorkshire Hogs and Pekin Ducks.

fully selected Shorthorns and Berkshires.

David Allison, Roland, Man.

13-11 SHETLAND PONIES and Hereford cattle, finest in Canada, also Berkshire pigs. J. E. Marples, Poplar Park Farm, Deleau, Man. tf

BERKSHIRES.—Gold Medal Herd, Neepawa, Manitoba. Address J. A. McGill. 24-4

JOHN GARDHOUSE & SONS, Highfield, P. O. Ont.—Breeder of Scotch and Scotch-topped Shorthorns, Lincoln and Leicester sheep and

Breeder's name, post office address, class of stock kept, will be inserted under this heading at \$4.00 per line per year. Terms cash strictly advance. No card to be less than two lines or more than three lines.

James A.Colvin, Willow Dell Farm, Sedgewick, Alta. Breeder of Shorthorns and Berkshires.

T. E. WALLACE, Portage La Prairie, Man. Breeding Shorthorns of various ages for sale. Breeding Shorthorns of various ages for sale.

JAS. BRAY, Portage la Prairie. Choice Here-ford cattle and Berkshire swine for sale. 20-t JAMES WILSON, Grand View Stock Parm, Innisfail, Alta.,—Breeder of Shorthorns. 13-6

R. A. & J. A. WATT, Salem, Elora Station, G. T. and C. N. R.—Champion herd of Toronto and New York State Fairs, 1905, also Grand Champion females, including both senior and junior Honors at both fairs. Write your wants. 13-12

BROWNE BROS., Ellisboro, Assa.-Breeders of Polled Angus cattle and Berkshire swine.

Stock of both for sale.

13-3

WOODMERE FARM,—Clydesdales, Shorthorns and Yorkshires. Pigs at 8 weeks, f. o. b. Neepawa, \$8 apiece. S. Benson. 24-4 GEORGE LITTLE, Neepawa, Man .- Shorthorns

of best Scotch type. CLYDESDALES,—A choice collection of breeding stock always available. Jas. Burnett, Napin-

BEN MORE, reg. Jersey herd—P. W. Reproprietor. Enquiries solicited. Hill P. Vancouver Is., B. C.

H. C. GRAHAM, Kitscoty, Alta.—Shorthorns Scotch Collies and Yorkshires, for sale. 1-4-. D. McDONALD, Sunnyside Farm, Napinka, Man. Berkshires and Yorkshires from prize winning stock; all ages; write for particulars.



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Correspondence To Man.—Imported RAILWAY ASSOCIATION, Room 163, 227 Monroe St., Brooklyn, N.Y.

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Distance is no bar. Positions guaranteed competent men.

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Steel \$1.75 Buy stove have

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SCOTCH GRANITES

Our stock of Marble and Granite is the largest in Western Canada and you will have no difficulty in selecting just what you want. The goods which we consumption of dog meat and in some turn out are of the highest grade as localities dogs are fattened for market regards material and workmanship. Send for catalog.

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Oure the lameness and smove the bunch without scarring the orse-have the part looking just as it did Pleming's Spavin Cure (Liquid) a special remedy for soft and semi-selid mishes — Bog Spavin, Thoroughpin, nt, Curb, Capped Hock, etc. It is neither timent nor a simple blister, but a remedy ke any other—doesn't imitate and can't mitated. Easy to use, only a little rered, and your money back if it ever fails.

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FLEMING BROS, Chemists, Church Street, Toronto, Ont.

GOSSIP

TAKING CARE OF THE HARNESS.

there is nothing like knowing how to keep your leather goods in fine condi-flail. tion, too. Leather is composed of a pliable condition, each tendril is capable by Arthur Young, the correspondent of much stretching. If allowed to beand friend of Washington. come dry and hard, when the leather is quantity is better. "All dressings should be applied sparingly" is the They contain the "nourishment" necessary for keeping the harness in good order. But first, all dirt should be washed off with luke warm water and ordinary soap. The black fat should then be applied with a cloth, given a short time to penetrate the leather and then rubbed dry with another cloth. Some make the mistake of oiling without unbuckling the harness. The parts that need nourishment most are under the buckles where the metal causes hardness and brittleness. If people would vary the holes of the harness occasionally it would last much longer.

An objection to neatsfoot oil is that it inclines to wash off the beeswax from the stitches, leaving the bare thread, which then soon breaks.

A Gourlay piano in the music-room denotes musical culture throughout the home just as surely as you can estimate the intellectual aspirations in the home by the class of books in the library.

GERMANS TAKING TO DOG MEAT.

Not only is the flesh of horses and mules eaten in Germany almost as much as in France, but also there is a growing consumption of dog meat and in some sale and consumption of dog meat all over the German Empire.

extending throughout Silesia and into Bavaria. In Munich dogs are reguarly vet.

THE FIRST SCIENTIFIC FARMER

The first scientific farmer, so far as the records show, was one Jethro Tull, in the cause of agriculture between the years 1680-1740.

Tull claimed that, since it was from the farmer.

He also insisted upon deep plowing to upon frequency of cultivation to keep the surface open to the influence of the

rays of the sun. minds the idea that farming was a science, and that in order to get good

out upon scientific principles. much of man's labor and strength as looking for better despatch.

possible, and he set himself to the task of finding ways and means of doing farm work that should be an improvement upon the old muscle-wearing methods.

His thinking took shape in the invention of a horse hoe, a grain drill and a threshing machine-not much of a "There is nothing like leather." But threshing machine, it is true, as compared is nothing like knowing how to great improvement upon the old-time

mass of fine tendrils, intimately intering by Tull started the movement which locked and entwined. When in good, was later on taken up with enthusiasm

Young did a great deal for agriculture. subjected to a severe pull, the tendrils By his pen, by travel and painstaking break instead of stretching. But this investigation and experiment, and last does not mean that leather boots or but not least, by a series of bright and harness should be kept soaked with oil useful inventions, he did more for the or dressing. Elbow grease applied in ancient art than any man of his day and

generation. With the birth of modern chemistry sound advice of a big saddlery concern. and through the writings and experi Black oil should always be used on ments of such men as Sir Humphrey black harness and not neatsfoot oil, as Davy, Thomas Jefferson, Justus von the latter will draw out the black dye Liebig and others, agriculture began to and leave the harness brown. The look up as it never had before, and to black harness fats now on the market day, as a result of those men's labors, make excellent farm harness dressing. the farmer is beginning for the first time since farming began, to get from the earth something like a fair return for his toil.

A SIPHON FOR THE BABY

A new method has been discovered whereby milk may be kept perfectly fresh for many months, the process consisting merely in charging it with carbonic acid gas under pressure, and keeping it thereafter bottled in a cool place until it is wanted for use.

For this purpose newly pasteurized or clean, fresh milk is taken and charged with the gas in tanks, exactly as water is loaded with carbon dioxide in establishments which put up that innocent fluid for sale at "soda" counters. From the tank it is transferred to syphon bottles, in which it is held under a pressure of about seventy-five pounds.

The bottles should be stored in some place where the temperature is not higher than sixty degrees. If preferred, they may be kept in the household refrigerator. Though the cream separates in the flasks, it may be thoroughly re-mixed by a little shaking as the milk comes from the bottle. It comes out as a foamy mass, and has a slightly acid, pleasant flavor.

Kept in the manner above described, carbonated milk will remain in excellent condition for at least four or five months. and there are several special places for Not only does it afford an agreeable slaughtering them. The use of dog beverage, but it is likely to prove a meat is said to have had its origin in valuable food for invalids and children Saxony and there are statistics going as who are not able to digest ordinary far back as 1869. But on June 3, 1900, milk easily. Its possibilities have been ed through

The experts of New York State Agricultural Station engaged in this The taste for dog meat is reported as work state that, in order to prepare the product successfully, the milk should be drawn as clean as possible, and slaughtered and the flesh is sold by low-grade butchers. The Germans, how-grees Fahrenheit. All vessels with ever, declare that they do not buy it in which it comes into contact, from that region and that the demand is con-milking to bottling, should be carefully fined to the lowest class of Italian lasterilized before using. It should be borers. No dog flesh is sold in Berlin as carbonated within a few hours; or, if this cannot be done, it should be asteurized before being charged and bottled.

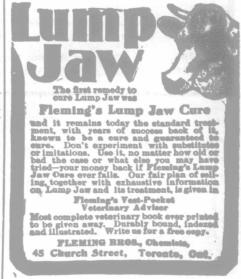
On July 13th the citizens of Guelph, an Englishman, who wrote and labored Ont., declared by a small vote of 342 against 236 in favor of a bylaw for the raising of \$10,000 and the giving of a site on the market square towards a the soil that plants derived their nour-building to be erected by the Provincial shment, the finer the condition of the Government for the enlargement of soil the better would be the results to the present accommodation of the Winter Fair. It is understood that the Government will be expected to enter give moisture to the plant's roots, and into an agreement to continue the Fair at Guelph for a period of years, probably ten. The present agreement has In a word, it was the Englishman who still two years to run. The architect first strove to impress upon men's of the Department of Public Works has been working on the plans for the new crops, agriculture needed to be carried building, and it is hoped to have it already for occupation during this win-Tull furthermore believed that there ter's exhibition. Matters have moved was no reason why agriculture should be carried on almost wholly by brute strength. He believed in saving as the by-law is passed the authorities are

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BAD BLOOD BAD BOWELS BAD BREATH

It will thoroughly renovate the entire system, and make the blood pure, rich and red—curing Boils, Pimples, Ecusum, Ringworm, and all blood and skin diseases.



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F you do not have to borrow, so much the better. But in any event have a spreader of your own this year. The increase in the first crop through the use of your spreader will more than pay the principal and interest. It will cut down the labor of materials to will be be work. nure spreading. It will make the work agreeable. There will be no waste of manure. You will have a more fertile soil for future crops.

manure spreader should sidered as a per manent investment, net as a running ex-

hand spreading and machine spreading. choose wisely.

The Cloverleaf Endless Apron Spreader The Corn King Return Apron Spreader

You will make no mistake in buying either one of these right

working, durable I. H. C. spreaders.
I. H. C. spreaders are not built excessively heavy, but they have the strength required by such machines.
The draft is as light as possible in any spreader.

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parts are and conveniently control led, and do first class work with any kind of manure. A n y

For the only way you can get all the value I. H. C. local agent will supply cataout of the farm manure every year is to logs and explain the distinguishing use a spreader. There is absolutely no features of each machine, or show you comparison between results produced by a machine at work so that you can

If you prefer, write direct to our branch house nearest you for any information desired.

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SHIP-your GRAIN to our advice and make drafts on us through your Bank with bill of lading attached.

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Grain Commission Wheat Oats Barley

Over 24 years experience in Grain Commission Business. Prompt reliable work at all times

All enquiries will be given careful and immediate attention

be made on the spot—that is to say, the course of their growth. To do wherever it may be wanted for fuel this is practicable on a large scale, purposes. Furthermore, it can be at any rate in England. lacking. It will undoubtedly be telegraph poles. The wires are conproduced in immense quantities in nected up to a dynamo driven by a hot latitudes from the cassava—a small power engine. plant with big tuberous roots, which current thus produced is transformed yields several times as much starch from a low to a high potential, and as does the common potato. There the plants become electrified opare, however, many other materials, positely to the wires. As the wires countries for alcohol making.

of gasoline.

Every gallon of petroleum taken out of the earth signifies a lessening of the available supply by just that much. With alcohol, the case is exactly opposite, because the more of it people use the greater will be the production of it. Furthermore, it is going steadily down in price, as methods of making it are improved, while mineral oil is sure to go up. If, as is the case, alcohol is now manufactured in Cuba, and sold for eight cents a gallon, it can be made in other tropical countries for as little and should not cost very much more in the United States, if the from it.

When one reads in the newspapers about the "petrol" which is commonly used in Europe for running automobiles, one should not imagine that the stuff referred to is petroleum. It is, as a matter of fact, benzol, which is a by-product of the coking of coal. The German Government has been making experiments with a view to utilizing this "petrol" as fuel for warships. But the same objection applies to it—the available supply must give out be-fore very long. Not so with alcohol, the production of which can be augmented to any extent, and which seems destined, say the experts, to obtain recognition as universal fuel.

seem well-nigh unlimited; but, so far use. as its maritime employment is concerned, one does not need to look very far ahead to see at every sea port a supply station, with gigantic tanks containing alcohol for sale to ships. When provision of this kind is made, all of the arduous labor of coaling will be done away with, and medium of a pipe, and fill up according to their needs.

ELECTRICITY IN AGRICULTURE.

Sir Oliver Lodge is to be congratulated on having again called the attention of practical men to a valuin danger of being'ignored. It has

ALCOHOL AS A SOURCE OF POWER. been proved experimentally beyond all possibility of dispute that crops One distinct advantage of alcohol are able to be very largely increased as a source of power is that it can by charging them with electricity in The field manufactured most cheaply in the to be treated is covered with a numtropics, where coal and petroleum are ber of wires stretched across it by The electric such as molasses and sugar cane have a very small electrical capacity, stalks, which are available in warm it is practicable to electrify them to a very high degree with a very small Recently, some very interesting expenditure of electricity. The figtests were made by the technologic ures quoted by Sir Oliver Lodge branch of the U. S. geological sur-show that the crops increase under vey, with alcohol in a slightly-modi- this treatment by as much as 30 and gasoline engine, alcohol being 40 per cent., and in the case of wheat used instead of gasoline. These tests produce a more highly-priced flour. have proved that in an engine of the The same principle has been applied kind thus modified, alcohol may be successfully to strawberries, cucum-so utilized as to give it as high a bers, raspherries, beans, cabbages, fuel efficiency as gasoline. Hitherto, celery, tomatoes, beetroot, and carit has been recognized as possessing rots, so that it may be said to be of only about one-half of the efficiency general application. The experigeneral application. The experiments were actually conducted by Mr. Lionel Lodge, Mr. Newman, and Mr. Bomford. The theoretical Bomford. knowledge of the principle dates back to 1746, and its development has been hitherto prevented only by the cost of electrical apparatus. cause and mechanism of this increased yield remains at present obscure, though Berthelot has suggested that the process acts by enabling the plants to utilize the atmospheric nitrogen. - Standard of Empire.

A lawyer once asked a man wbo Congress chose to remove the tariff had at various times sat on several from it. the lawyers, the witnesses, or the judge?" He expected to get some useful and interesting information from so inexperienced a juryman. This was the man's reply: "I tell yer, sir, 'ow I makes up my mind. I'm a plain man, and a reasonin' man, and I ain't influenced by anything the lawyers say, nor by what the witnesses say, no, nor by what the judge says. I just looks at the man in the docks and I says, 'If he ain't done nothing, why's he there?' And I brings 'em all in guilty."

Durable and artistic construction Alcohol is, strictly speaking, an tone and the perfect action of the Gourlay piano. It is an instrument retains its musical qualities The possibilities of its usefulness throughout long years of constant

STACKING GRAIN

After a person has stacked grain for a number of years he usually finds a method of his own which differs more or less from those of others. As a general vessels needing a fresh supply of fuel proposition, however, stacking is carried will have only to steam into a har- on much in the same manner throughbor, connect with a tank through the out the grain growing sections of this western country, although we see a vast difference in the way the stacks are built. Some shed water to perfection while others seem to soak in every drop that falls. It is a well known fact that large quantities of grain are annually lost on account of poor stacking and many of our farmers have a serious jolt able agricultural principle that was in this respect each season. The first thing to be considered is the location for the stacks. It is scarcely necessary to say that a high place should be selected although one frequently sees stacks erected on low spots. To begin a stack build a round shock on the spot intended to be the center of the stack. Set these bundles as nearly perpendicular as possible. Continue to set bundles around this center, one row as a time, giving each row a trifle greater slant than the one preceding and let the top of each bundle point directly toward the center of the stack. After sufficient rows of bundles have been set up in the manner indicated and the circumference of the butt is large enough, the outside row will be found quite slanting. A row of bundles should then be laid on the flat

UNTIL YOU INVESTIGATE "THE MASTER WORKMAN," *BUY GASOLINE ENGI* ckly, easily started. Vibration practically overcome. Cheaply mounted on any wagon. It is a combination portable, stationary THE TEMPLE PUMP CO., Mfrs., Meagber and 15th Sts., Chicago. TRIS IS OUR FIFTY-FIFTH YEAR.



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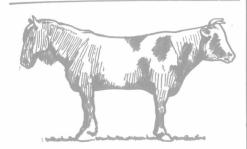
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The safest, Best BLISTER ever used. Takes the place of all linaments for mild or severe action. Removes all Bunches or Blemishes from Horses and Cattle, SUPERSEDES ALL CAUTERY OR FIRING. Mpossible to produce scar or blemish. Every bottle sold is warranted to give satisfaction Price \$1.50 per bottle, Sold by drugsits, or sent by express, charges paid, with full directions for its use. Send for descriptive circulars. The Lawrence-Williams Co., Toronto, Ont



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"SHOULD LAST FIFTY YEARS" says Mr. R. Nagle, of Mount Brydges, Ont. about our Corrugated Sheet Rooting. He adds: "I think it is as near perfection as anything I ever saw."

Our "Acorn Quality" Corrugated Sheet Roofing and Siding makes and absolutely lightning-proof barn construction, besides being quickly put on. Our Galvanized Sheets show no signs of wear, even on our earliest work years ago. Such Roofing prevents all moisture or dampness.

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### LEASING OF LANDS

for may and grazing purposes all reserved quarter or half sections. For particulars apply the Land Department Hudson's Bay Company, Winnipeg.

sides with the long end of the butts upward clear around the stack and far enough out to well cover the tops of the last row set up, always bearing in mind that the head of every bundle that goes into the stack should point directly toward its center. The second row should be laid with the butts reaching midway between the tops and the bands of the bundles of the first row. The third row may be laid in a similar manner or as some choose it may lap a little more; that is, allow the butt of the third row to extend to the bands of the second row, etc. The succeeding rows to the center may lap to the ends. Start another layer and proceed as before. In order to build a good stack the center must be kept full. It is a good plan also to let the weight of the stacker come on each bundle, except on those in the outside tiers, so as to firm them and cause them to settle evenly. The first three or four tiers should not be built out, but the outside of the stack at that place should be perpendicular like a brick wall. After that each outside layer should extend slightly farther out than the one beneath it, until a height of seven or eight feet be secured to make the bulge. It is not necessary to have the middle of the butt very steep. It should, however, remain well rounded at all times. In case it is not steep enough, each row of bundles may be made to lap to the bands or farther. This will raise the middle. If it is too full the remedy is lapping the bundles less. The stacker, especially if he is not an expert, should get off the stack after each load has been put on and carefully examine it to see if the stack has remained true. Whenever the butt of a stack has been thoroughly built there is very little danger of it getting out of shape as it settles.

When the top is started good work counts for much. The first outside row of bundles immediately above the bulge should have a greater slant than the rows underneath it. To secure this the last layers of the butt should be laid in such manner that the first outside row of the top may rest on three rows of bundles That is to say, the last rows of the bundles should be laid as follows: The second row should just lap over the tops of the first row and the third row should lap midway between the band and the butt of the second row. In this way it will be seen that the first row of the bundles of the top will lay with the tops on the second and the third row of butts immediately underneath and thus obtain quite a steep slant. When a stack yorkshire hogs
up as mentioned, when the bulge is being constructed. The top is built the same as the butt with the exception that the middle should be more steen

stack with a fork than hand, which is the old way and the work is easier on the stacker as well as on the pitcher. By those who are expert with a fork it is claimed that a much better stack can be constructed with than without it. Stacking with a fork is also easier on the grain than stacking by hand. After the stack has been topped out a pointed stick from six to eight feet long should be pressed into the top to hold the bundles in place. If desired, four weights may be tied over the top in addition.

Every farmer should learn to stack his own grain as it is one of the very important jobs on the farm. Professional stackers can usually be secured but they are not always what they claim themselves to be. Too many farmers have had serious experience along this line Most of these stackers know how to charge for their services but not all know how to build the kind of stacks that will shed rain as they should. Bear in mind that grain kept in a well constructed stack for from one to two JOHN RAMSAY, Priddis, Alta. months improves the quality. If it is threshed out of the shock it sweats in the bin; if stacked it sweats under most favorable conditions.—Field and

It is owing to the high musical ideals of the men back of the Gourlay that it has attained such a high state of proficiency. The conscien-

\* \* \*





Positively cured by Bickmore's Gall ire. Also Harness Galls, Cuts and Sores. Good for man and beast. Sample and new horse book 10c. WINGATE CHEMICAL CO. LTD., Canadian Distributore, 545 Notre Dame St., W. Montreal, Canada.

Glendening Bros., Harding, Man.

RED POLLED CATTLE We are nearly sold out of bulls but have a few females for sale.



#### Registered Shorthorn Cattle For Sale!

My herd of 35 head of Pure Blood Registered Shorthorn Cattle with calves at foot, together with the prize bull, "Keepsake," are for sale.

For further particulars apply to W. J. McNamara, - Wetaskiwin, Alta.

Yorkshires & Berkshires

We advise prospective purchasers to buy Young Pigs. They can save on the price: save on the express charges (as crates can be made very light), and develop their pigs to suit themselves. We have five Stock Boars and over twenty-five sows, and will quote prices that mean business. Write for particulars or send your orders to

WALTER JAMES & SONS, Rosser, Man.

SHORTHORNS

I have just sold four nice three-year-old bulls to T. McCord, of Talbot, Alberta; also one yearling bull to C. Standish, of Priddis, Alta., I have two yearling bulls for sale and some bull calves.



Stock from boar, Oak Lodge, Prior 36th, sired by Dalmeny D.C. Imp., bred by Earl of Rosebery, K.G., Scotland, also from the boar Markland Candidate 4th—Imp., in the dam, champion sow at Edinburgh, Scotland, two successive years. Stock not akin, in numbers to suit purchasers.

Glen Bros., Didsbury, Alta.

Thomas Mercer, Markdale, Ont.

now offers for sale his recent Toronto winners—the 1st prize and Champion Shire Horse, Newham's Duke (Imp.); also the 3rd and 7th prize in aged Clydesdale, in an entry of 27. The two latter horses are sired by the noted Hiawatha, dams Lady Gratley and May Rose. The weighty kind that will sire draught horses.

Correspondence solicited Correspondence solicited.

Mr. A. I. Hickman, Court Lodge

Egerton, Kent, England, exports pedigree Live Stock of every description to all parts of the world. Exported during 1907 more Shetland Ponies, more Romney Marsh Sheep, and more champion Oxford Downs than any other breeder or exporter, besides large numbers of other breeds of horses, ponies, cattle, sheep and hogs. Correspondence invited. Highest references given.

STAR FARM SHORTHORNS



This prize winning herd is headed by the Imported Champion Bull Allister, Sev-eral animals for sale a number prize winners in the lot Farm one mile from station. Improved Yorkshire pigs and Barred Plymouth Rocks.

R. W. CASWELL, Box 13, Saskatoon, Sask

Aberdeen-Angus Cattle.

My herd is headed by the famous Black Gay-Lawn (91941) sired by Black Woodlawn (2706), the brother of the International Gr.Championship winner in 1907. I have for sale at present a number of splendid young bulls bred from such families as the Erica's, Prides and Blackbirds. Prices reasonable. Write for particulars.

Geo. G. Melson. Wildwood Stock Farm, Olds, Alberta.



### STOCKMEN

Have you any stock for sale? If you have why not advertise. This is the largest circulated stock paper in the West. If you have the goods the Advocate will find the buyers. Send your adv't in to-day. to-day.

Farmer's Advocate

AND HOME JOURNAL

WINNIPEG, MAN.

(Continued from Page 128)

As a result of the experiments carried out during the past four years under the guidance of the Veterinary blackquarter (unfortunately termed by some members of the profession symptobatted by a vaccine prepared and the number of outbreaks being material who ask for it and remit the money.

sections of B. C. is now being investi- in contact. They are valued and comgated with a view to determining the pensation paid after the premises have

be devised to overcome.

It will be noticed that there are six of the infection. of the officers of the department, and in to the well-being of sheep and menace the first three of that number, affected animals are ordered to be slaughtered and to Ontario. The efforts of the Departcompensation paid, when the conditions ment are directed principally against laid down in the regulations are com- the exportation of sheep or lambs sidered briefly seriatim, so that a or purebred. Unfortunately some of general idea may be had of the pro- the dealers in wool-bearers have not plied with. cedure followed:

Glanders or farcy. An owner suspects one or more of his horses as to be affected with the disease for one of the following reasons; chronic discharge from the nostrils, or has been in contact with horses, or mules afterward found to have glanders; or on the limbs or other parts of the body are seen bing, and falling out of the wool, and farcy buds, small abscesses which form, ill-health of the sheep, and necessitates break, and discharge pus. The case is dipping of the flock at regular periods reported to headquarters, or to an to eradicate the disease. Recovery inspector of the department (predoes not occur spontaneously, and if ferably the former); an inspector is then sent, who examines all the noises on the premises, and submits them to the mallein test. Reactors are ordered to be destroyed and the non-reactors, applicable of the destroyed and the non-reactors, applicable of the state of the destroyed and the non-reactors, applicable of the state o reactors has shown clinical symptoms, discharge from the nose, etc., held for a retest in from 15 to 30 days, when, if found healthy, and the premises properly cleaned and disinfected, are released. The object of the retest after the fortnight's interval is to catch any of the is quarantined and all dogs ordered night's interval is to catch any of the muzzled, stray ones being ordered non-reactors to the first test, which muzzled, stray ones being ordered destroyed. I am sure each average may have become infected, yet not sufficiently so to react at that time.

The method described sounds extraordinary amount of tact and scientific use of the diagnostic agent, and when the disease is very prevalent a lot of money, which will not be grudged cattle in Western Canada, where for by the taxpayer when the danger to years it has infected the herds on those human life and the whole agricultural far-flung pasture fields. The disease industry is considered. Dourine, or is due to a parasite, the (psoroptes (maladie du coit.) a disease difficult to communis var bovis,) a scab mite, and detect and therefore hard to stamp out. the only cure for affected cattle is by This disease is communicated naturally dipping. Attempts were not made at coition; the cause is known but hard seriously to control this disease until to demonstrate. One of the pathologists of this branch was the first man on pulsory Mange Dipping. Order was ists of this branch was the first man on the American continent to find the promulgated, a measure that in order to be effective needed the hearty cocause, the blood parasite (trypanosom equiperdum). It is hoped that some operation of cattle owners and departquick and reliable diagnostic agent mental officials. To allow Mange to go quick and relative diagnostic agent unchecked would be suicidal and it serum, may now be elaborated, so that would only be a short time before our this insidious and fatal disease, with its export cattle trade would be but a disastrous effects on the horse breeding memory instead of a reality; dipping industry may be overcome. At present when cases are found, such are ordered eradicated any other way, and cars to be slaughtered and compensation paid, must be cleaned and disinfered to It may be found that in order to more destroy the infection. quickly stamp out Dourine, more stringent regulations must be formulated perhaps in limiting the running at large of stallions, or of male colts over one year on the range, unless altered, the continuous so the case need for the continuous so the last rantine This disease has existed in S. Dakota, regulations. Nebraska, and lowa, but in the report stock breeders with a of the chief of the B. A. I. it is stated securing their car tee that as a result of several years' vigilant spatch in questioners it has been provided by a spatch in question to the spatch of several years' vigilant foot-and-mouth distributions. work it has been practically eradicated. in the County

Hog Cholera. Fortunately the Cana- not need to dely dian climate and methods of feed convince this into F ing pigs do not seem as favorable to this every possible passes expensive disease as in other climes introduction of disc where corn is the staple diet. The countries,

HEALTH OF CANADIAN LIVE-STOCK stamping ground of this disease in Canada has been certain counties in Western Ontario, one reason for it being their geographical relation to our neighbors, and the fact that some railroads running in and out of Canada, Director General, it has been settled over which hog trains were drawn that the former disease properly comes However, a constant watch is kept by under the non-contagious diseases, being of dietetic origin, the result of the ingestion of the ragwort or Striking Willie (Senecio Jacobaea); blackleg or to prevent the distribution of infected to prevent the distribution of infected manure along the right of way. The disease is well under control in Canada, supplied by the department in a form ly reduced year by year, as a result of easily administered (the cord form), and at a moderate price (5 cents per dose in any constitution) to the moderate in the moderate makes being materially reduced year by year, as a result of the policy of the Department. A similar principle to that employed with and at a moderate price (5 cents per dose in any quantity) to all and sundry glanders, in the matter of compensation is observed. When an outbreak occurs, Redwater in cattle, a disease which an inspector of the Department has all has caused considerable losses in some the hogs slaughtered, both affected and causal factor, which when once thorough-ly understood, it is hoped methods may all cases, endeavors to trace the source

Sheep Scab. This serious hindrance The sextet will be con- affected with the disease, either grade exhibited that public spirit so essential to the conservation of the Canadian trade in live-stock, and in several cases have for a temporary pecuniary advantage imperilled the trade with our neighbors. The disease, as is known to many of you, is caused by the scab mite (psoroptes communis ovis) and causes irritation of the skin, itching and rub owners are careless the death rate may

Rabies. The chief interest in this disease lies in its menace to human beings, and need not be considered at length here, beyond the statement that when an outbreak occurs the locality sheep breeder wishes his particular district were under quarantine against

This disease occurs in Mange. horses and cattle, and beyond few scattered outbreaks is confined to

### Golden West Stock Farm Clydesdales and Shorthorns

Stallions and Mares of excellent breeding, of all ages, for sale. Also some choice young bulls fit for service and a number of cows and heifers of noted Scotch strains.

Many of them Leading Prize Winners at the big Western

P. M. BREDT

REGINA, SASK.



#### JOHN A. TURNER BALGREGGAN STOCK FARM

CALGARY, ALTA. Importer and Breeder of

Clydesdales, Hackneys, Shorthorns and Shropshire Sheep Since last December I have sold 42 STALLIONS and have now 20 STALLIONS on hand. A new importation will arrive soon. My prices defy competition and you have a greater choice than in any other breeding establishment in Canada. Business conducted personally. Everyone welcome



### FOR SALE—REGISTERED PERCHERONS Stallions, Mares, or Colts, all ages

Your choice of 40 bred from imported stock. One black Stallion, Charleroi, 6 years old, weight 2,050 lbs.; Mares weighing 1,500 lbs. to 1,700 lbs.; Yearlings and two-year-olds of good quality. Correspondence solicited. Photos sent on application. Imported stallion, Robosse, at head of herd. Prices very low for this class of stock. Farm 3 miles from

W. E. & R. C. UFPER, North Portal Sask.



### Brampton JERSEYS Canada's Premier Herd

Strengthened regularly by importations from United States, England and the Island of Jersey. We have animals of all ages and both sexes for sale, and the largest herd in Canada to choose from. Write for prices and particulars. Long distance 'phone at farm.

B. H. BULL & SON

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### Rare Bargains in Fairview Shorthorns

I have more cattle than I have feed for, so am willing to sell a few, of both sexes, at prices I never expected to quote. The bulls are mostly young, or I can supply mature ones. The females are of different ages.

All are cattle that a man only gets on bargain days. No trouble to quote prices or show the stock.

Fairview, C. N. R. Station Carberry P. O., and C. P. R. Station

JOHN G. BARRON

### CURE WEAK MEN

YOU RUN NO RISK IN USING MY BELT. I TAKE ALL CHANCES

I want to talk to men who have pains and aches, who feel run down physically, who realize that the old "fire" and energy which was so evident in youth is absent now; men who can't stand the amount of exertion they could years ago. I want you—if that means you—to come to me and if I say that I can cure you I don' ask you to pay me until I DO so. Tha is fair, surely. You take no chances, as know what I can do, and I'll run the risk If it were not for the prejudice du to the great number of fakes in the land I would not be able to handle the business that would come to me. The "Fre Belt' fraud and the "Free Drug" scheme which are not free at all, have made ever one skeptical, but I know that I have good thing, and I'll hammer away unt you know it. I want to talk to men who

IF I DON'T CURE YOU MY BELT COMES BACK TO ME.

who has confidence enough in his remedy to wait for his pay until you are cured.

CALL TO-DAY. FREE CONSULTATION FREE BOOK.

Br. M. D. McLaughlin, 112 Yonge Street, Toronto.

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### In a Lighter Vein

She had worked her leap-year prerogative, but he was trying to dodge

"I appreciate your proposal," he said, "but my income is not sufficient for two."

"Oh, that's all right," she replied. "When we are married, we'll be one, you know."

Mr. Stubb (in astonishment). — Why, Maria! That tramp has been singing out in the back yard for the

Mrs. Stubb .- Yes, John, it is all

my fault.

Mr. Stubb.—Your fault? Mrs. Stubb. — Indeed it is. I thought I was giving him a dish of boiled oatmeal and instead of that I boiled up the birdseed by mistake.

"I know what's passing in your mind," suddenly said the maiden as the habitually silent caller stared at her. "I know, too, why you are calling here night after night, appropriating my time to yourself and keeping other nice young men away. You want me to marry you, don't

you?" I—I do!" gasped the young "I thought so. Very well; I will."

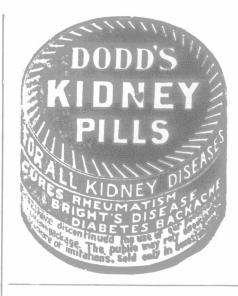
One woman asserts that she has discovered "just how to tell about furs." It is worth while knowing the secret, even if you never make use of it. "Double the skin over," she says, "with the fur out-ward and look through the ridge of overhair toward bright sunlight. The tips of the overhair in both nature and "shaded" skins are darker than the lower part of the hair, so, looking at it in that way, you perceive a high-water mark half-way between hide and tip, where the color suddenly darkens. Now, in the artificially 'shaded' skins this high-water mark is an absolute straight line, but in the natural skin it is broken by curves.

An Erie young man called to take his sweetheart out driving the other day, but when the stunningly-attired young lady caught sight of the turnout the young man had hired for the occasion she feigned a headache and refused to accompany him.

nant reply, "I consider that a very foolish question on your part. How could I go when the horse he was driving didn't match a single thing I had to wear?"

little girl — of Scottish birth—had called her a bad name. When questioned what it was, she said she did not like to repeat it, as it was a "regular swear word." Being pressed to tell, she said the girl had called her a "wee bairn!" The decrease on the beams, as we could have all necessary support from the railings, and it was great fun. I fendant was honorably discharged.





The book agent had spent a discouraging morning, and when he had an opportunity to scan the face of Eli Hobb at close range he felt that If thou shouldst ever come to Mothere was small chance of making a sale. However, he had more than

one method of suggestion.
"Sitting out here on the piazza afternoons with your wife, this would be the very book to read aloud," he said, ingratiatingly, to Mr. Hobbs, taking the other rocking-chair and opening the large red-covered vol-

"I don't read, and I haven't any wife," replied Mr. Hobbs, drily.
"Dear me!" said the book agent. "Well, if your wife is dead, perhaps there are children. Now, children

find this book-"There are no children," inter-rupted Mr. Hobbs. "There's no-body but myself and my cat." "Well," said the book agent,

"don't you ever want a good heavy book to throw at her, just to ease your feelings?"-Youths Coupanion.

The eminent lawyer had stepped from the London train and was making his way to an hotel when he was approached by a porter. "I can see you're a commercial traveller," said the latter, with a touch of his cap. So lovely, yet so arch, so full of

"Show me where your luggage is and I'll carry it to the hotel for you." The lawyer smiled in a quizzical way. "I am a traveller," he said, "but I deal in brains." The porter smiled suggestively. "Fust hangs provided the suggestively. "Fust hangs provided the suggestively of the suggestively of the suggestively. The overflowing of an innocent heart, have seen and old man wandering as in quest of something. Something the suggestively of the suggestively of the suggestively of the suggestively of the suggestive suggestively. "Fust hangs are suggestively of the suggestive sugges time ever I see a traveller as didn't Over a mouldering heirloom, its carry no samples!" he said.

that he would interrupt his elders, The joy, the pride of an indulgent had been repeatedly corrected by bewhy, Violet," asked the asing told daily that he should say,
Why, Violet, asked the asing told daily that he should say,
I'm At your convenience, mamma, I
gave tonished mother, "why didn't you have something to tell you." His sister, Lisi Cipriani, relates, in "A Tuscan Childhood," the results which Tuscan Childhood," the results which Tuscan Childhood," the results which ensued from the care with which he followed instructions in one instance. One day toward the end of the season my mother had taken Ritchie and me to the baths at Leghorn. The baths are built on piers and rotundas Recently at a public school at linto the sea. We have no tide at Niagara Falls, a little girl complained to the teacher that another little li tumn storms begin, the boards are taken away, so that only two long wooden beams and the railings remain. There was absolutely no danger in walking across these have all necessary support from the railings, and it was great fun. had crossed one of these bridges quite a distance from where my mother and some friends were sitting. When I started to return I forgot that the boards had been taken away, and walked splash into the sea. Ritchie, who was standing by me, instead of taking the slightest concern as to what would happen to me, rapidly crossed the bridge and ran to my mother. Taking off his cap, the little fellow stood politely beside her for some time, waiting till she had finished a rather Her ivory tooth imprinted on his long story she was just telling. Then "Mamma, at your convenience, I

have something to tell you."
"What is it?" said my mother,

her efforts were being rewarded.
"Mamma, at your convenience,

Lisi has fallen into the water.' "What?" exclaimed my mother, mping up. "Has anyone pulled

jumping up. "Has anyone pulled her out?" "I don't know," said Ritchie, very politely, "but I did not interrupt your story, and she can swim."

If the Gourlay piano had not been distinctive in tone and artistic construction it would not have sprung so rapidly into prominence and gripped the hearts of the musical people of Canada as it has done. It may cost a little more than some other pianos, but from the test of endurance and tonal quality the Gourlay piano is undoubtedly the best value of the Canadian market to-day.

#### GINEVRA.

dena,

Stop at a palace near the Reggio Gate Dwelt in of old by one of the Orsini. Its noble gardens, terrace above ter-

And rich in fountains, statues, cy-

Will long detain thee; but, before thou go, Enter the house-prithee, forget it

And look awhile upon a picture there.

Tis of a lady in her earliest youth; She sits inclining forward as to speak.

Her lips half open, and her fingers As though she said, "Beware!"-

her vest of gold Broider'd with flowers, and clasp'd

from head to foot-An emerald stone in every golden

And on her brow, fairer then ala-A coronet of pearls. But then her face,

mirth.

A small boy whose chief fault was She was an only child from infancy

sire,

The young Ginevra was his all in

Still as she grew forever in his sight.

She was all gentleness, all gaiety, Her pranks the favorite theme of every tongue.

But now the day was come, the day, the hour And in the lustre of her youth she

gave Her hand, with her heart in it, to

Francesso. Great was the joy; but at the bridal

feast, When all sat down the bride was wanting there-

Nor was she to be found! Her father cried, 'Tis but to make a trial of our

love! ''-And fill'd his glass to all; but his hand shook,

And soon from guest to guest the panic spread. Twas but that instant she had left

Francesso Laughing and looking back, and fly

But now, alas! she was not to be

Nor from that hour could anything

### For Diarrhoea, Dysentery

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**18 AN INSTANTANEOUS CURE.** 

It has been used in thousands of homes during the past sixty-two years and has always given satisfaction.

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Mrs. G. Bode, Lethbridge, Alta. writes: "We have used Dr. Fowner's EXTRACT OF WILD STRAWBURRY and found it a great remedy for Diarrhoea, Summer Complaint and Cramps. We would not like to be without it in the house."

But that she was not! Weary of

Francesso flew to Venice, and forth-Flung it away in battle with the

Orsini lived; and long mightst thou

When he was gone, the house re-main'd a while An oaken chest half-eaten by the Silent and tenantless-then went to

strangers. Full fifty years had passed, and all

forgot, When on an idle day, a day of search, Mid the old lumber That mouldering chest was noticed; and 'twas said

By one as young, as thoughtless as Ginevra, "Why not remove it from its lurking place?

'Twas done as soon as said; but in the way It burst-it fell; and lo! a skeleton; With here and there a pearl, an em-

erald stone, A golden clasp, clasping a shred of gold.

All else had perish'd—save a nuptial ring, And a small seal, her mother's leg-

Engraven with a name! the name of both-'Ginevra''-there then had she

found a grave;

acv,

Within that chest had she concealed herself.

Fluttering with joy, the happiest of the happy When a spring-lock, that lay in ambush there.

Fasten'd her down for ever!

All druggists: 40c. and \$1.00.

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QUEBEC

You need never put a brushful of paint on an "Oshawa"-shingled roof, the special galvanizing makes paint entirely needless, and it won't wear off nor flake nor peel. Yet that roof will be Rain-Proof, Snow-Proof, Wind-Proof, Weather-TIGHT as long as the buildings stand.

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Yet, with all these things to show you that an "Oshawa"-shingled roof Because, as you can easily see for a seamless sheet of tough steel catch is the RIGHT roof for you, Oshawa yourself, there is simply nothing TO fire? That alone is worth the whole Galvanized Steel Shingles cost no more than wood shingles to

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And, a most important fact to you, an "Oshawa"-shingled roof is LIGHTNING-proof! Positively proof against lightning—insulated far better than if it bristled with lightning rods.

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