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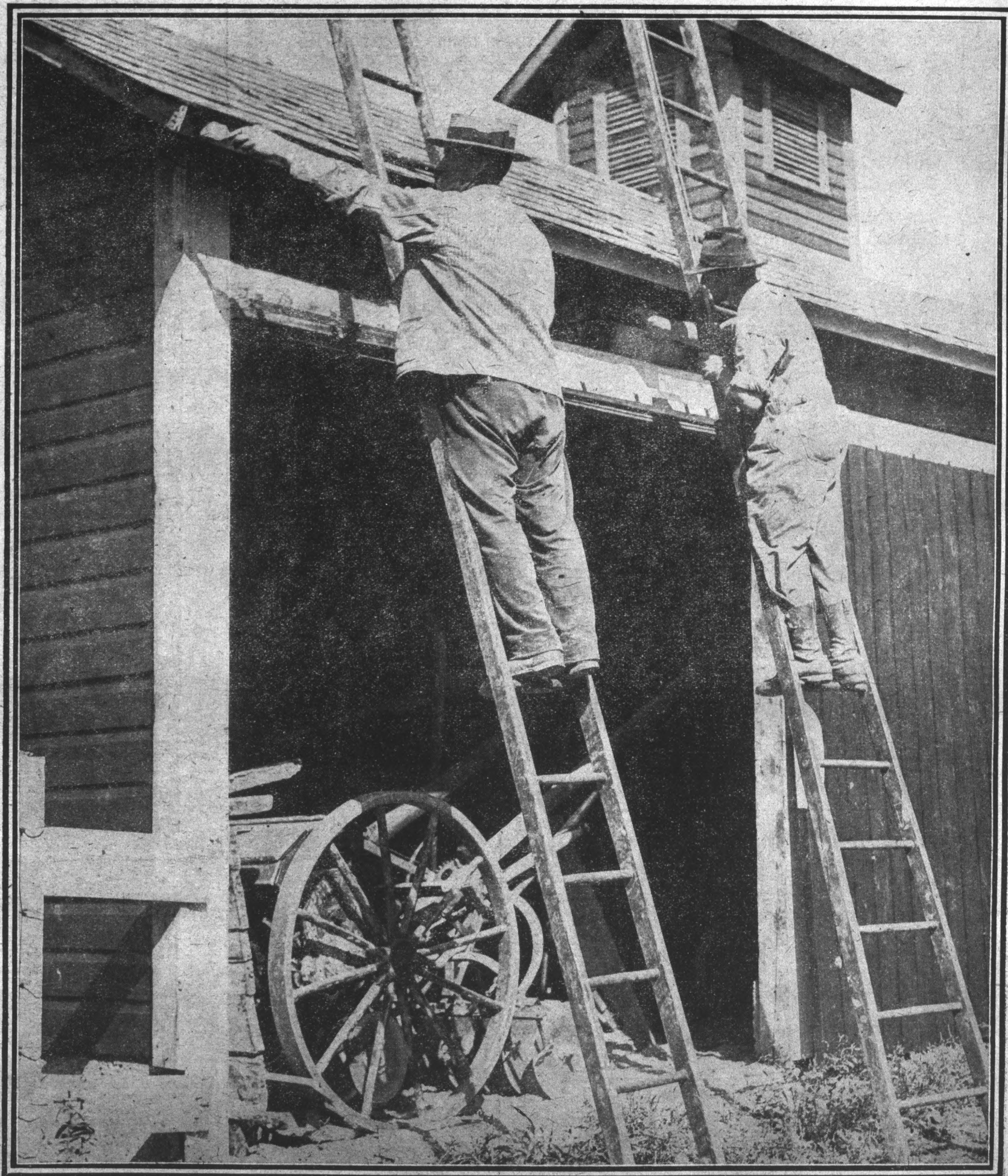
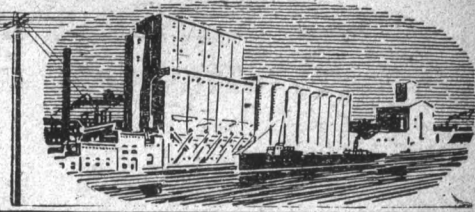
The Michigan

MARCH 13, 1926

BUSINESS FARMER



*An Independent
Farm Magazine Owned and
Edited in Michigan*



PAINT IS A CHEAP INSURANCE AGAINST EARLY DECAY

*In this issue:—Session Might Have Been Worse for Farmers—Michigan Fruit Growers Gathered
At Benton Harbor for Two-Day Meet—How One of the "Weaker Sex" Works Her Farm*

When Our Ancestors Harrowed with a Pile of Brush—

Very Little Profit Was Taken From the Soil

Just take a look around your neighborhood and notice carefully the progress that has been made possible largely through the help of good farm equipment. Conditions are not ideal, of course, but everybody is making a living and enjoying life to an extent undreamed of not so many years ago.

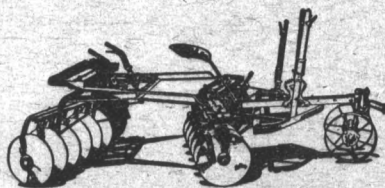
Yes, things are better, and the McCormick-Deering dealer sells the tools that will carry progress still further. For instance, there is the Dunham Culti-Packer and the McCormick-Deering line of disk harrows [both horse-drawn and

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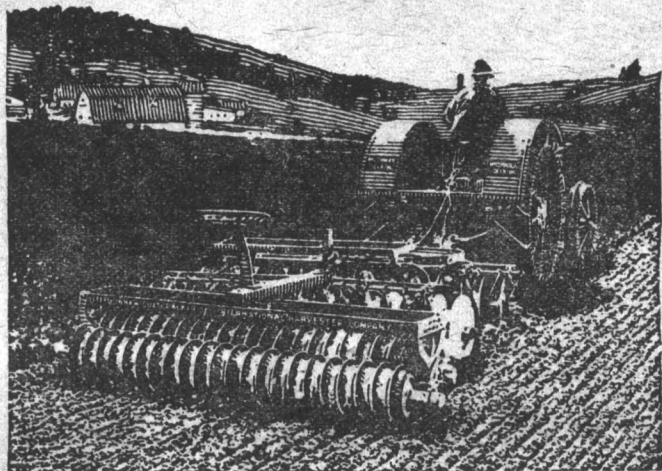
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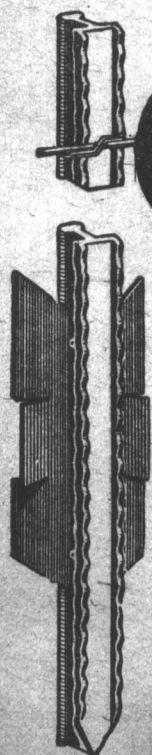
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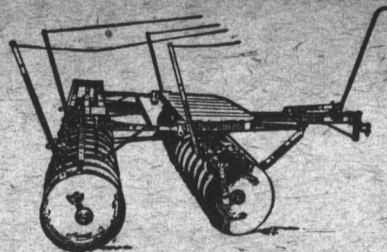
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FRUIT MEN TOUR IN JULY

JULY 23 and 24 are the tentative dates set for the midsummer tour of the Michigan State Horticultural Society through the Grand Traverse section this year. According to Secretary H. D. Hootman the tour will start either from Ludington or Manistee, passing through the small fruit belt about Manistee and Onekama into the apple and cherry region around Bear Lake, Beulah, Elberta, Empire, Frankfort, Suttons Bay and Traverse City and spending the first night in the Grand Traverse county seat. The second day will be spent on the Old Mission peninsula and in Leelanau county. As the tour is on Friday and Saturday, the tourist will have Sunday to spend touring in the "Playground of the World" or return to their farms.

BIG ATTENDANCE AT FARMERS' MEETING IN STANDISH

NEARLY 200 farmers turned out to the annual meeting of the cooperative shipping association held at Standish on February 22nd. Prof. Verne Freeman of the M. S. C. talked in the forenoon on feeding livestock. Following a buffet luncheon, served to about 100 people, Prof. Gifford Patch, Jr., from the M. S. C. gave talk on "Why a Cooperative."

The association handled over \$70,000 worth livestock last year. B. J. Price continues as manager and the officers elected are: Myron Gordanier, president; Archie Knight, vice-president, and James Adams, Sr., secretary-treasurer. Directors are: Lawrence Marsh, Chris Wolfe, W. S. Adrian, Manuel Flenk, Jr., Archie Knight, John Holson, and Myron Gordanier.

FARMERS' INSTITUTE AND GRAIN CONTEST

THE Cedar Springs Community club and high school are going to hold a farmers' institute and grain contest March 17 and 18 at Cedar Springs, Mich. Mr. Kidman, agricultural instructor, will have charge. The speakers are to be Prof. G. A. Barnes and Prof. W. C. Cribbs of the M. S. C., K. K. Vining of Grand Rapids and Pres. Hayes of the Michigan Holstein-Friesian Association.

BEAN PEST BATTLE LINE MOVES NORTH

THE United States department of agriculture is making preparations to wage an intensive battle with the Mexican bean beetle in the great lakes region. The bureau of entomology has moved its bean beetle laboratory from Birmingham, Ala., to Columbus, Ohio, from which the department entomologists will work in 1926 in an effort to keep the pest out of the main bean producing sections of New York and Michigan.

Observations during the past year show the beetle to be a more dangerous pest in the hilly and mountainous regions than in the plains country. The federal entomologists report. The beetles continue to spread northward through Ohio last year and now are well established along the southern shores of Lake Erie.

24 PER CENT JUMP IN ALFALFA FIELDS

THE cow testing association is proving to be a factor in increasing the acreage of alfalfa and sweet clover on Michigan farms. Records of 87 associations representing 2,039 farms or 1924 and 1925 show an increase of 24 per cent in the alfalfa acreage and a jump of 82 per cent in the sweet clover acreage.

In 1924 the alfalfa acreage on farms in these associations totaled 16,884 compared with 22,215 in 1925. Based on all cows in the 87 associations, there was approximately one acre of alfalfa for each cow. Only 1,538 farms in the associations reported alfalfa and their average per farm was 14.4 acres.

TO TOUR APIARIES

AT a recent meeting of Eaton county beekeepers it was decided to make a tour of apiaries of that county on May 5th. Clair Taylor, county agricultural agent will have charge.

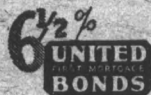
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The Michigan BUSINESS FARMER

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Session Might Have Been Worse For Farmers

Michigan Legislature Ends Stormy Three Weeks of Deliberations

By STANLEY M. POWELL

Lansing Correspondent of THE BUSINESS FARMER.

THAT 1926 is a political year was evident during the recent special session of the Michigan State Legislature. The fall elections cast their shadow before them and on many questions the way in which a member voted was determined pretty largely by whether or not he was an administration supporter. This sensitive political situation added spice to the daily sessions. Undoubtedly it was responsible for a considerable portion of the flood of oratory which characterized the debates on the several controversial issues which were considered.

It is nothing new that the matter of highway finance should be one of the chief battle fields of legislative controversy. While no proposals were offered to change the gas tax or weight tax as they affect the motorists, two measures to readjust the distribution of the revenues so raised were introduced. These were the Atwood and Kirby bills. The real aim of each was to place more funds under the control of the State Administration.

When the special session convened it was evident to all that the farmers had much to lose and nothing to gain from the various proposals which were offered. The final result could have been a lot worse from our point of view. True, the Kirby bill was passed with a provision reducing the amount which the counties will receive during 1926 on past-due awards from \$2,000,000 to \$1,000,000. However, this bill definitely recognizes claims of the townships from the State, amounting to some \$225,000 and sets definite dates for the payment of these several accounts. None of them are repudiated, although the payment to the counties for 1926 was cut in half. In future years the payments will be at the rate of \$2,000,000 a year until all such delinquent accounts are settled in full.

While the administration forces won a nominal victory in the passage of the Kirby bill, they suffered a serious rebuff in the final defeat of the Atwood bill, during the closing hours of the session. As passed by the Senate this measure would have increased the appropriation of weight tax revenue for maintenance of the State trunk line highways from \$2,000,000 to \$4,000,000 per year, but would have discontinued all State aid for the maintenance of non-trunk line highways. This latter provision of the bill met the determined opposition of the House and was stricken out. The Senate refused to accept the House amendment so the bill was thrown into the hands of a conference committee. This committee finally arrived at a compromise, but the compromise was refused by the House, so the bill was lost.

Throughout the consideration of the two highway bills many members expressed resentment at being asked to turn over more funds to the State highway authorities until they had been informed as to how the more than \$22,000,000 raised by the gas and weight taxes during 1925 had been expended. It is common knowledge that while the gas tax law provides that \$1,500,000 was to be returned to the counties during 1925 to apply on delinquent highway awards, nothing at all was returned to the counties to apply on this account during 1925 and even yet only \$1,000,000 has been distributed. Furthermore, the State awards for non-trunk line maintenance have not been paid during the past few years.

Solons Charge Secrecy

In view of the foregoing facts many Representatives were not disposed to take kindly to the demands of the administration for more funds

to be spent under State supervision. In arguing against the Kirby bill, Rep. Charles Evans of Tipton declared, "There has no emergency occurred to make this bill necessary. The weight and gas tax have brought in \$2,000,000 more than the estimates. I see no reason for this legislation. It is totally unwarranted and uncalled for. If you pass this bill deferring payments to the counties you are robbing Peter to pay Paul. The overburdened real estate owner should not be so treated. Peter has been robbed so often he is suffering. Because of the increased tax burden, the improved roads have resulted in decreasing the value of farm property in Michigan."

After commanding the attention of the House for many hours, the Warner bill, legalizing the use of auto plates until February 1 of the following year, was passed by that body and promptly approved by the Senate during the closing hours of the final night of the session. In support of this measure the argument was advanced that with other taxes and Christmas expenses, the poor man ought to have time to catch his breath and recuperate his finances before being required to purchase new auto license plates.

That Grand Trunk Deal

The first of the enactments of the recent session to be signed by the Governor was the law empowering him to enter into a contract with the Grand Trunk railroad company whereby the State will procure and construct a new railroad right-of-way for about eight and one-half miles between Birmingham and Royal Oak and exchange this right-of-way for the one now used by the railroad. The State will finance this transaction out of its highway sinking fund and the railroad with re-

imburse the State at the rate of \$200,000 per year principal payments, with no interest.

When the advance has been paid in full, the Grand Trunk will surrender its special charter under which it has been operating for the past 92 years and which specified, among other provisions, that its taxes should be limited to only a little over \$25,000 a year. When this special charter is abrogated the Grand Trunk will come under the general railroad law and will pay about \$350,000 per year into the primary school fund. The State will use the old railroad right-of-way for the development of the Wider Woodward Avenue project.

Appropriation bills that finally passed during the special session included Rep. Dexter's bill, providing \$750,000 for a new main building and library at the Mt. Pleasant Normal to replace structures recently destroyed by fire, and Senator Bohn's bill appropriating an additional \$500,000 for a continuation of the construction of the new State prison at Jackson. The regular session of the Legislature provided \$1,000,000 for this project, but the Governor informed the Legislature that construction had progressed so rapidly that the funds appropriated would soon be exhausted and additional money should be made available for continuing the work.

When the Legislature had made substantial progress on the four propositions included in the Governor's message, he submitted a supplementary message, allowing a score or more of additional measures to be considered. Most of the propositions were technical in their nature, and either were amendments to rectify errors in existing statutes or were of interest chiefly to the big cities.

(Continued on Page 24)

Michigan Fruit Growers Gathered At Benton Harbor for Two-Day Meet

By HERBERT NAFZIGER

Editor Fruit and Orchard Department, THE BUSINESS FARMER

SIX hundred information seeking fruit growers attended a two-day meeting at Benton Harbor February 24 and 25. The occasion was the annual meeting of the Berrien County Horticultural Society, held in conjunction with the State Horticultural Society. A varied and up-to-date program was in readiness and was keenly enjoyed by all who attended. An exposition of spray materials, nursery stock, fruit packages, and orchard machinery was held in connection with the meeting. The meeting opened with an address of welcome by Mr. Guy Tyler, City Manager of Benton Harbor, who stressed the necessity for better co-operation between city and country, and stated that city business men everywhere now recognize the farmer as their best customer.

"Planting a young black raspberry and keeping it free from disease." This subject was very ably handled by Mr. H. D. Hootman of M. S. C., who is also secretary of the State Society. "The black raspberry is very exacting as to soil and location," said Mr. Hootman. "A deep sandy loam soil is to be preferred and the location should have good air drainage. Moisture is often the limiting factor in yield. The soil should be practiced. Special emphasis was laid on the necessity for shallow cultivation. Deep cultivation was said to be ruinous, both to the yield and to the plant itself. A wet, or poorly drained soil was declared unfit as it greatly increases

disease infection and results in weak unproductive plants. The growers were strongly advised to set only disease-free plants and to keep disease out of the field by careful roguing, thorough spraying, and prompt removal of old canes after harvest.

Mr. Hootman stated that reduction of production costs constituted one of the best openings for better profits in the growing of "black-caps." A recent M. S. C. survey showed that costs of production in Michigan range all the way from \$1.16 to \$2.75 per crate with an average cost of \$2.32. Low yields, due to poor locations and prevalence of disease were said to be largely responsible for these high costs.

Prof. Starr Talks

Prof. Georges Starr of M. S. C. spoke on the culture of melons, asparagus and tomatoes. Prof. Starr especially emphasized the present opportunity in asparagus growing. Small acreage, strong and increasing demand, and high profits per acre was given as the present status of this crop in Michigan. An asparagus bed once established, was said to remain almost indefinitely, but its commercial limit was placed at approximately 20 years. The plantation should be started with one year old plants which can be home grown from seed. Plants should be set

2 1/2 feet apart, in rows 5 feet apart, and about 4 years are required to bring a plantation into full production. Applications of commercial fertilizers should be made in July and the tops should be allowed to grow unhindered after the cutting season. "Mary Washington" was said to be the best rust-resistant variety in existence.

Touching on melon culture Prof. Starr advised against raising melons where melons had been grown the previous season, and "John Baer" was said to be the best late, canning tomato variety.

Compares North and South

"Fruit growing in Northern Michigan compared with fruit growing in Southern Michigan" was the subject of an address by George Friday, president of the State Horticultural Society. Mr. Friday owns fruit land in both sections. Larger and surer cherry crops, no San Jose scale, no peach yellows, and less fire-blight were given as some of Northern Michigan's outstanding advantages. Southern Michigan's advantages are better markets, ability to ripen grapes, larger size in apples, faster growing trees, and lower cost of bringing an orchard to bearing age.

Mr. Frank Farnsworth, a grower with large orchards at Waterville, Ohio, spoke on "Planting and han-

dling a fruit farm for best profits," and described the cultural and marketing practices which he has found successful.

"Spraying to reduce the spray bill" was the contribution of Prof. H. A. Cardinell of M. S. C. who stressed the necessity of thoroughness in spraying and stated that the average grower does not use enough spray material per tree. One man with one spray gun, spraying from the top of the tank and using a high capacity rig was said to be the most efficient and least costly spraying method. Much discussion followed this talk and many questions were answered by Prof. Cardinell.

Mr. H. P. Gaston repeated his excellent lecture on "Why is a cull a cull." This talk was given at the annual meeting of the State Society at Grand Rapids in December and a detailed report of the same is found in the December 19th issue of THE BUSINESS FARMER.

"A. B. C. in Beekeeping" was given by Edwin Ewell of M. S. C. who also explained the importance of the honey bee to the fruit grower.

Mr. Martin Dwan, president of the Berrien County Horticultural Society made a plea for stricter regulation of roadside marketing stands.

Peach culture was discussed by Mr. F. Barden, a leading peach grower at South Haven, and the meeting ended with a clear, concise, illustrated talk on the 1926 spray calendar by F. L. Simanton, Berrien county's able and popular agent.

How One of the "Weaker Sex" Works Her Farm

Mrs. Reinsch of Mason County Sets a Pace That is Hard for the Men Folks to Follow

By G. PEARL DARR

WHEN Mrs. Kate L. Haufstater's husband died and left her with two small boys to bring up alone, she began to ponder on the best way to do this. Her husband had been a grain elevator man and one of the prosperous men of a small Michigan town.

Eighteen years ago with her boys of six and eight years, she came to Freesoil township, Mason county, and bought a farm of 40 acres. The farm, though not worn out, was badly run down, much of it light soil. With no experience in farming, she began to learn the business, literally "from the ground up"—and down.

Much of the work she did herself. The first year she put in corn and garden produce and carefully cared for the small peach and apple orchard. The next year she learned to prune and spray, each year doing a little more with the orchards. She began to set out more fruit trees and berries. Sowing vetch in the orchards and turning it under for fertilizer was one of her first ventures in building up the land. Believing in cows for keeping up the fertility of the soil, she lacked the time and sufficient help for adding many cows to her other work, so she began to sow clover and turning it under has built up the land until the fruit on this place is one of the wonders of the community.

Fifteen years ago Mrs. Haufstater, who is now Mrs. Reinsch, bought 80 acres of adjoining land, which had a fine apple orchard of 150 apple trees of good varieties. This orchard was tended carefully and in one year produced a crop which sold for \$3,500. Later on she bought another adjoining farm with another apple orchard. Besides these three apple orchards the 160 acres has nearly all been set out to peach, cherry, and plum trees.

When she remarried fifteen years ago, Max Reinsch, her husband, soon became so interested in fruit that he is now getting just as profitable return from the orchard on

WHEN we read this article on what a Mason county farm woman has accomplished and what she is doing right along every day we began to wonder who applied the term "weaker sex" to the women folks, and if they meant all women when they said it. Certainly it fails to apply to Mrs. Reinsch, as well as many other farm women whose accomplishments fail to appear in print.

Since this article was prepared Mrs. Reinsch attended Farmers' Week at M. S. C. and took a short course in horticulture given during the week following. Prof. D. F. Rainey, of the college, recently inspected her 1925 crop of Golden Glow seed corn, of which she raised enough to plant 1,000 acres. Germination is 95 per cent and the entire crop is being sold at a good price.

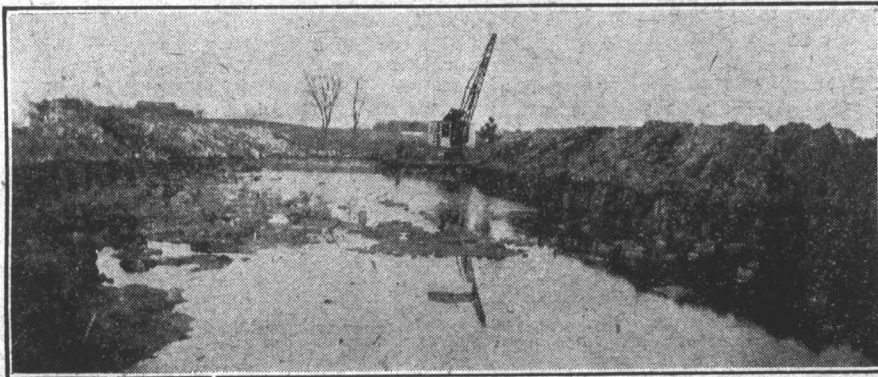
We tried to secure a picture of Mrs. Reinsch to publish at this time but were unsuccessful as she will not allow anyone to take her picture, if she knows it.

We would like to receive stories on other farm women of Michigan who have made an outstanding success in some branch of farming, or of farming as a whole, to publish, and will gladly pay for any that we can use.

the 40 acres which he bought of his wife, as she does.

Fruit trees are not "just trees" to Mrs. Reinsch, but each little tree is a living, breathing, understanding thing, which—brings solace to its

owner, in her moments of worry. She talks to them while pruning and spraying until the onlooker wonders if the tree does not respond from actual sympathy of understanding her care.



A MICHIGAN MARL BED.

"This is a picture of the marl pit on my brother's farm which I am now working," writes Wm. Thar, of Benton Harbor. He says the marl tests 89 per cent.

One of the beautiful sights in this community is the new orchard of cherry, peach, and apple trees set out two years ago by both Mr. and Mrs. Reinsch. The orchard covers two hills and valleys which are spread out in such a way that each tree shows up from the highway.

Rows of red kidney beans between the trees, without a weed anywhere, brought in profitable returns last year while the orchard was growing. A part of the new orchard last year was sowed to peas for fertilizer. So good was the growth that \$290.00 worth of green peas were picked and sold before turning under the green vines for fertility.

Also Grows Certified Seed

Besides her orchards, Mrs. Reinsch has been successful in growing certified seed corn and potatoes. Two years ago she grew and sold through the Michigan Crop Improvement Association, enough Golden Glow Seed Corn for planting 1500 acres of corn. She won a blue ribbon in a state wide contest given at the Michigan State College last winter, with her Golden Glow corn. Her seed corn brought \$6.00 per bushel for certified and \$8.00 for registered. Her last two orders for seed corn last spring went to British Columbia and to Texas. Mrs. Reinsch became interested in growing certified crops when she began attending the Michigan State College for short courses given for farmers.

Forty-Seven Years Old

Mrs. Reinsch is forty-seven and lays her good health to her busy outdoor life. Both Mr. and Mrs. Reinsch do all their own pruning and spraying. Mrs. Reinsch farms the 120 acres of the 160 independently of Mr. Reinsch.

She weighs only a little over 100 pounds but is strong and seems to be able to stand more work than most women. Her outdoor work keeps her in fine trim. In khaki suit and high-topped shoes, she goes from one end of the farm to the other all day long.

She had had two years high (Continued on page 26)

Some Helpful Suggestions on Drawing Up a 50-50 Farm Lease

By HOWARD KITTLE

THE farm lease is to the landlord what insurance is to both and no one questions the value of insurance, yet we find many farms being operated without this very necessary piece of equipment. As long as business operations move smoothly and each party deals squarely with the other the farm lease is forgotten but allow a question to arise and it is immediately referred to, which only goes to prove the importance of a thoroughly prepared review of the mutually agreed upon ideas of both landlord and tenant.

50-50 Contract

There are several kinds of leases but the one most commonly in use is the one known as the 50-50 contract in which the landlord furnishes the farm and buildings, one-half the live stock, and one-half the seed, taking in return one-half the produce from the livestock and one-half the produce from the farm. To offset this the tenant furnishes the help and equipment to farm the land in a good and thorough manner.

In any lease regardless of kind those factors which should receive first consideration are descriptions of properties and reservations of both the landlord and the tenant and it is around the latter that all the leases are built. Since the landlord is owner of the property or responsible for it and his interest represents the initial investment, we will deal with his reservation first, taking those of the tenant last.

After the description of the property is given all leases should have a termination clause and these dates should be filled in and as righteously lived up to as any part of the contract because the lease is immediately governed in any court by the boundaries of its termination clause.

MR. TENANT, have you a written lease with the owner of the farm you are going to work this year, or just a verbal agreement?

How about you, Mr. Landlord, are you protected, and also your tenant, with a written agreement signed by all parties concerned? We wish that all farm landlords and tenants in Michigan could truthfully say they had a written agreement, but if the figures were available we doubt if more than 25 per cent could make such a statement. Verbal leases leave too many opportunities for misunderstanding or forgetting, but when it is written and signed it cannot be forgotten and there is little excuse for misunderstanding. It is doing business on a business-like basis to have a written lease, and we urge you to study this article by Howard Kittle on the 50-50 contract most commonly used in Michigan.

This clause should be followed by reservations. Proper and foremost among these is the right of entry to the property in question. No landlord should be excluded or prevented from an inspection of buildings, fences, live stock or crops which at any time might be growing on his leased property. He should reserve the right to harvest crops when undue negligence is causing waste or damage.

If any buildings or parts or parcels of land are to be reserved they should be geographically defined with relation to the farm proper and explicit mention made of them. The landlord may reserve the right of sale of the property in question, safeguarding the tenant's interest as will be explained later. He should by all means reserve the right to prevent the tenant from engaging in other operations which would take his time and interest away from the leased property in question and by limitation or otherwise he should reserve the right to effect the sale of

all crops or crop residue and all live stock at the termination of the lease. He should reserve the right to inspect the record of sale of crops and live stock, especially in a contract which operates on the one-half basis.

On the other hand the tenant should be equally careful of the reservations granted and those which he must make in order to protect his interest, for we find that human nature runs about 50-50, too. First of all after the opening paragraph, which should be included in any lease, the tenant should be provided with peaceable possession, and in case the leased property is sold during the life of the contract and it becomes necessary to vacate his interest should be reimbursed with a good and sufficient sum of money to offset the loss he will sustain.

In case of litigation or seizure of property by mortgagee or other claimant in any form whatsoever the tenant should by all means reserve the right to peaceable possession

and should reserve the right to demand adequate protection against these factors over which he has no control. The tenant should also reserve the right to effect a complete settlement or sale of crops or crop residue and live stock after the landlord's lein is satisfied.

Mutual Agreements

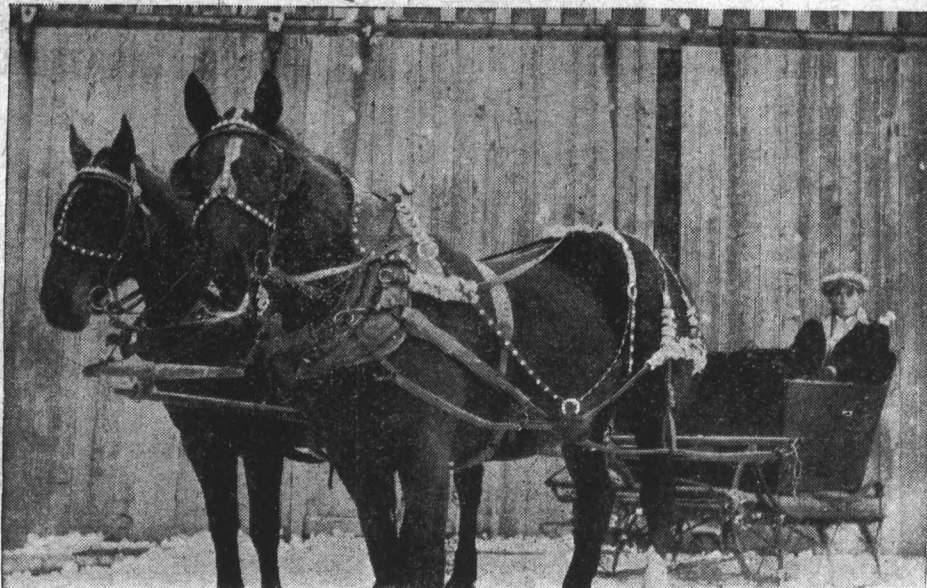
There are of course such mutual agreements embodied in the contract as fields on which certain crops shall be sown, drawing of barn yard manure, hauling of lime and fertilizer, the delivery of grain to market, the keeping open of ditches, the repair of fences, purchasing of binder twine, coal for fuel and threshing or the cutting of wood, the furnishing of help for threshing and like operations, the amount of expense to be borne in the purchase of grain and leguminous seeds and other farm crops and the basis of participation within the limitation of the contract.

There is also another clause that may be embodied in any contract at the discretion of either landlord or tenant, depending on their knowledge of one another, and that is an arbitration clause which prevents a dispute from being taken into court. This clause may be drafted in several different ways but usually it is made up so that the aggrieved party appoints one representative, the aggrieved one and the two representatives thus chosen meet and select one other, making a board of three. This board meets, hears the evidence of both sides and renders a written decision, which if signed by two members, becomes binding and shall be respected by both parties thereto. This board of arbitration does not, in any sense, nullify the specific provisions of a lease and may be the means of financial protection to both parties concerned.

THRU OUR HOME FOLKS' KODAKS



WINTER SPORT.—E. F. Wine-miller, of Coldwater, with a string caught through the ice.



"WILL YOU JOIN ME?"—We suspect that this young man would like to have a companion. He is Julius Weber, and he is on his father's farm, near Kingsley. "Kit" and "Bell" are the names of his team.



GRANDDAUGHTER.—Mrs. C. A. Wright, of East Tawas, sends us this picture.



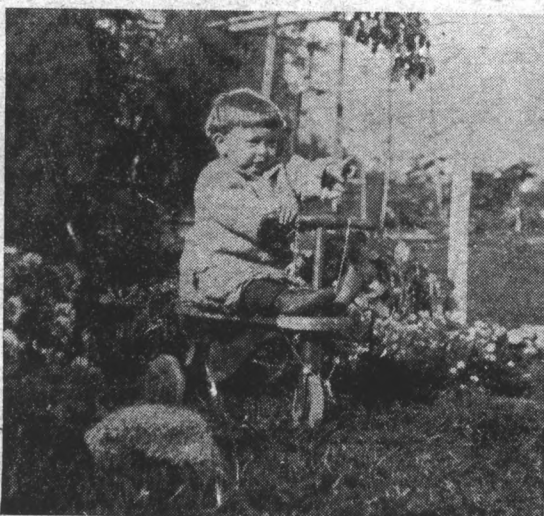
GRANDMA'S PETS.—This is Gladys and Harold Hansen, of Norwalk, looking real nice while they have their pictures taken. Their grandma Clara Binker, of Hastings, is sure they are the finest grandchildren in the world.



PIGGY GETS A BATH.—Marion Curtis, of Lake Odessa, baths her pet pig.



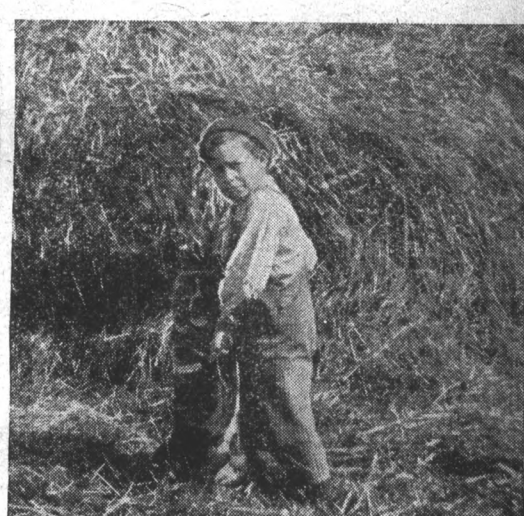
A REAL FARMERETTE.—"My sister, Mrs. Mabel Kelly, of Fife Lake, is a real farmerette," writes Mrs. Clyde Snyder, of Fife Lake. "Here she is helping farm by driving the horse hauling a load of feed for the pigs."



READY FOR A FAST RIDE.—Lois Marie, daughter of Mr. and Mrs. Robert Shimmons, of Sterling. Her auntie, Mrs. T. Shimmons, Sterling, sent the picture.



"LET'S GO!"—Looks like a real racing outfit, doesn't it? It is Arnold, son of Mr. and Mrs. Ernest Dimond, of Otisville, with his dog hitched to a small cart. The picture is from Mrs. M. Mauer, of Flint.



"ME AND MY DOG."—This is Maurice, small son of Mr. and Mrs. Clifford B. Aten, of Blissfield having a big time playing with his dog. The dog has a broad smile on his face.



HERE IS A REAL STRING OF FISH.—"There are forty-seven pike shown in this picture, not including the two with caps on, and they were caught in Hubbard Lake, in two hours," writes Peter Moussea, of Fillon.



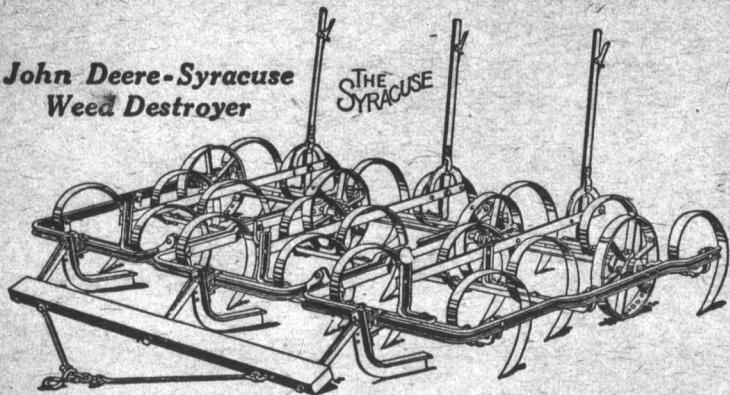
JUST HAVING FUN.—Joyce Mayer, at left, and June Leggett, at right, both of Hanover. Sent in by Silas Mayer, of Hanover.



WHO CAN BEAT THIS?—Dora R. Freel, of Mesick, with a load of pickles he grew in 1925. He had a most profitable crop last year getting \$209.33 worth off one acre. How's that for a record?

When you buy John Deere implements you are sure of prompt repair service throughout their long life

John Deere-Syracuse Weed Destroyer



Turns Loss into Profit

Consistent use of the John Deere-Syracuse Weed Destroyer enables you to conserve for your growing crops the moisture and plant food which the weeds take from the soil. It is estimated that weeds rob the average farm of 25 per cent of its productivity.

The John Deere-Syracuse Weed Destroyer completely destroys the weeds, uprooting them and bringing the underground root stems to the surface, where they can be left to dry and then be hauled away.

The sharp carbon steel teeth pulverize and mix the soil thoroughly resulting in well-made, productive seed beds.

Non-clogging. Weeds and trash work to center of machine and pass out through openings between the frame.

Sixteen-inch wheels at rear and adjustable steel shoes at front carry the frame about six inches above ground.

Extremely flexible—sections hinged together—teeth do not trail—no ground is left uncut.

Runs steady under difficult conditions.

There is practically no repair expense during the life of the machine.

It's called "the diggin'est tool." Write for free literature. Address John Deere, Moline, Ill., and ask for Folder OA-533.

JOHN DEERE

THE TRADE MARK OF QUALITY MADE FAMOUS BY GOOD IMPLEMENTS

WHEN WRITING TO ADVERTISERS PLEASE MENTION THE MICHIGAN BUSINESS FARMER

Plant Early--Harvest Often

Plant your dollars as you would your wheat --- for profit --- by investing in

CONSUMERS POWER PREFERRED SHARES

Tax Free in Michigan

Your dollars grow soundly and profitably every day in the year.

With no work on your part you receive a regular harvest every month. It's in cash and it's tax free.

Write to Our Jackson Office A'out It

Consumers Power Company

Farmers Service Bureau

(A Clearing Department for farmers' every day troubles. Prompt, careful attention given to all complaints or requests for information addressed to this department. We are here to serve you. All inquiries must be accompanied by full name and address. Name not used if so requested.)

TRANSPORTING CHILD TO SCHOOL

Could I be paid for taking my boy to school? He has two miles and three-quarters to go to school. He has bad roads and is small for his age. He is seven years old. Other people are paid for taking their children to school at that distance. —Mrs. S., Rosebush, Mich.

THE school board of any school district have authority if they see fit to pay for transportation for pupils living in their district to the school maintained in their district, but whether they do is discretionary with them. Each individual case must be decided by the school board upon its merits.

Children under nine years of age who live more than two and a half miles from the schoolhouse in their district can not be compelled to attend unless transportation is furnished. —G. N. Otwell, Dept. of Public Instruction.

EACH PAY HALF

A rents his farm to B on shares, each to furnish half and receive half. During the summer the pasture becomes short. They rent a field of a neighbor for pasture and turn in the milk cows. Should each pay half the same as they would for hay and grain? —M. S., Hillsdale County.

RENTING extra pasture would be the same as purchasing extra feed. There is no labor entering into the production of pasture feed; therefore, both parties should share the pasture costs equally in the above case. —F. T. Riddell, Research Assistant, M. S. C.

LEGAL RATE OF INTEREST

If a man had a mortgage on his land would the man that made the loan have a right to charge more than 7 per cent interest, and what could I do with it, or could they charge 7 per cent on any kind of a loan. For instance, if I had a note due and they had no security could they collect? —B. D. Pinconning, Michigan.

MORE than seven per cent interest is usury in Michigan and anything in excess of this amount cannot be collected. The fact that the holder had no security would not prevent him from collecting the note from you. —Legal Editor.

SON TO RENT FARM

My husband and I own 300 acres jointly. I own the stock and machinery. Our oldest son wants to farm it on shares. Will you please tell me how it is best to do so? It is a good farm about 200 acres in plowed land and hay, perhaps more. We keep twenty-five cows, seven brood sows, eight horses and raise a few heifers each year, and take the milk to the condensary. Now wouldn't it be best to just rent him the land and crops and he and his father pay me interest on stock and machinery or him to share in all. I have studied a lot on this. We have three younger boys in school. Now I will have the son and all the help to board. I thought if I got all the eggs, poultry, fruit and garden ground it would be fair. —A. L. Clare, Mich.

THERE are several ways that this proposition might be handled, depending somewhat on whether the son wishes to make an investment in the personal property or not and whether the owner wishes to share in such property. If the son does not care to assume an investment he could rent the farm on the 1/2 share basis—that is, he would furnish the labor and bear 1/2 of such expense as feed, seed, twine and machine hire and receive 1/2 of the farm income.

If arrangements could be made whereby he could purchase one-half interest in the livestock other than horses and purchase all of the horses and equipment he would be in a position to rent the farm on a 50-50 basis. Under this plan he would share 1/2 of such expense as seed,

twine, feed and machine hire, and receive 1/2 of the income.

If the son purchased a share in the livestock and tools, it would be rather easy to divide the income. On the other hand, the husband might purchase 1/2 of the stock and tools or pay rent for same—thus making the division of income from farm and equipment rather simple between husband and wife.

The owner of the livestock should have something more than ordinary interest on the stock and equipment for there is an element of depreciation to figure on.

Another plan would be for the wife to pay her husband a definite amount of cash for his share of property and she deal direct with the son. This would eliminate any complications as to the division of farm income.

The board costs are difficult for me to answer. I do not know the board costs nor do I know what the income will be from poultry and fruit. This matter can be settled by fixing a definite rate for board. —F. T. Riddell, Research Assistant, Michigan State College.

MENACE TO HEALTH

I would like to know if it is lawful for a woman to work as a midwife and take care of babies when she has a bleeding cancer of the stomach and the doctor has forbid her to do such work. Should she be reported to the health department in the town where she lives? —Subscriber.

LEGALLY midwives are not recognized as such in the state of Michigan. That is, they are not licensed except in local communities, such as Detroit.

However, if a woman is practicing midwifery and is considered a menace to the health of those whom she is caring for, she should be reported either to the Medical Society or the Health Department in the town where she lives. —Lillian R. Smith, M. D., Director, State Bureau of Child Hygiene and Public Health Nursing.

SHARING COST OF BALING HAY

I let a neighbor cut my hay on shares. He agreed to do all of the work and each party to pay half the press bill. He was to draw all of the hay to market and each to receive half of the proceeds. These are the terms used in the contract. I wish to know what should be included in the "pressbill?" Am I supposed to pay for help to put the hay to the press? Is it fair for this neighbor to a arrange with the owner of the press to furnish a full crew to do all of the work of pressing and charge with half of the bill?

IT is generally understood that thresh bill and other power machine hire only covers the machine costs, and the machine operating crew. All other help to be furnished by the tenant. The landlord should furnish his share of fuel and board bill together with his portion of machine hire. While the above is the common practice there are many exceptions in some sections of the state where the full crew operates. It is common for the landlord to stand his share of the entire expense. As to just how the expense is divided will depend upon the understanding at outset and the practice followed in the neighborhood. —F. T. Riddell, Research Assistant, Michigan State College.

COLLECTING FOR PAPER

I am writing to you in regards to a paper I take. I ordered it for a year, paying in advance instructed them to discontinue when it expired. This they did not do, sending it for two years and now they are trying to collect. Can they collect? —R. Z. Isabella County.

—You would not be under legal obligation to pay for the paper after you ordered it stopped. —Legal Editor.

We certainly enjoy your paper very much, from the oldest to the youngest, including eight. —E. L. Kirkburg, Hillsdale County.



SPRING

—plans for re-decorating the home, for the garden, for the family, for the summer pleasures, Spring needs in wearing apparel, new clothes for the children, everything that thoughts of Spring call to the Woman's mind are supplied in Ward's Spring Catalogue.

Spring Work Needs

Garden Tools
Farm Tools
Work Clothing
Roofing
Fencing
Paint
Farm Supplies
Building Repairs

Home Decorations

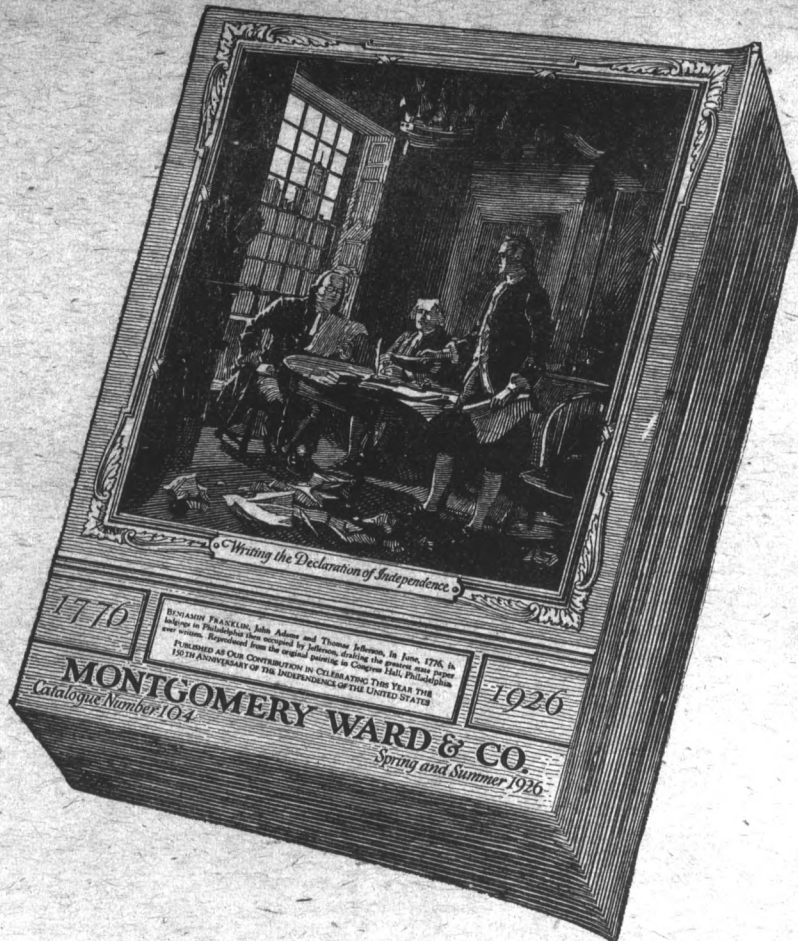
Wall Paper
Furniture
Curtains
Mattresses
Screens
China
Linens

Everything needed to Beautify the Home

For the Family

Every Mother's wish is filled
Children's shoes
Clothing
Baby's needs
Children's Books and Playthings

Everything for every age at a Saving



For Your Spring Work And Spring Pleasures

Every call of the new Season, Every Spring need can be met in the pages of your Ward Catalogue

This Spring your Ward Catalogue will enable you to buy three things for the usual price of two.

You have a copy of Ward's Spring Catalogue—or a friendly neighbor has. It offers you an opportunity to buy the extra thing, the fishing rod, the camera, the new tools, or curtains for the home, a rug, or milady's dress, *without extra cost*. The price is paid by the saving you make in using Ward's Catalogue to buy all your needs for Spring.

\$60,000,000 in Cash Was Used To Make Your Savings Possible

Wise buying is largely a matter of deciding *where to buy*. Who can make the lowest prices? Who has the power to buy goods cheapest?

You and 8,000,000 other customers give us a buying power so vast, so enormous that we contract for shoes by the hundred thousand pair, we buy the new live rubber for our tires in the Orient. \$2,000,000 worth of rubber was bought when prices were low.

\$60,000,000 in cash was used to make possible these low prices this Spring for you. And every low price is a genuine low price. We never sacrifice quality to make a low price. We make our low prices by big buying, by the use of cash, not by cutting quality.

Use Your Catalogue—Send All of Your Orders to Ward's

This Spring buy wisely. Compare prices—always remembering that quality, guaranteed quality, is equally as important as price. And Ward's quality is guaranteed. For 54 years we have dealt with our customers under the policy of the Golden Rule. You always buy on approval at Ward's. "Your money back if you want it."

Montgomery Ward & Co.

The Oldest Mail Order House is Today the Most Progressive

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SPRING

—calls to new work, to the pleasures of the out-of-doors and brings a variety of new needs that are all filled in Ward's Complete Spring Catalogue. And always at a saving that often makes possible the purchase of three things at the usual price of two.

For the Man

Tents
Automobile Tents
Tires
Batteries
Accessories
Fishing Tackle
Cameras

For the Boy

Everything for Sports
Baseball Needs
Tennis Supplies
Athletic Goods
Bicycles
Tires

Fashions in Wearing Apparel

Coats
Dresses
Hats
Shoes
Silk Hosiery
Underwear
Personal Needs

Everything for every need at a saving.



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120% Profit with Fertilizer

THE FERTILIZER LEADERS OF AMERICA WILL HELP YOU MAKE BIGGER PROFITS

"On the most profitable fertilized plot in the newer fertilizer work of the Ohio Experiment Station there has been a return of a little more than 120% on the investment in fertilizers. *** In the older fertility work on much thinner land the most profitable fertilized plot has yielded a larger return over the cost of fertilizer."

From an article by C. G. Williams of Ohio Experiment Station, in Ohio Farmer, issue of June 13, 1925.

Use the best fertilizer that money can buy and get the larger yields and increased profits on every acre. Like the Ohio Experiment Station you can make big profits on fertilizer. Buy your fertilizer from "THE FERTILIZER LEADERS OF AMERICA" who have had forty years' experience in preparing the right plant food for every crop. In their fertilizer you get—

Readily Available Phosphorus—

The crop making material

Nitrogen (or Ammonia)

From many sources so blended that the plant may feed on it, as needed from seed time to harvest

Soluble Organic Potash

From high grade imported potash and ground tobacco stems


"THE FERTILIZER LEADERS OF AMERICA" have followed the recommendations of your Experiment Station in making their fertilizer. They have produced the fertilizer that starts the crop off rapidly in the spring and carries it along to early and profitable maturity. Get their fertilizer from your dealer or write direct for information.

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FOX CHEMICAL CO. BRANCH
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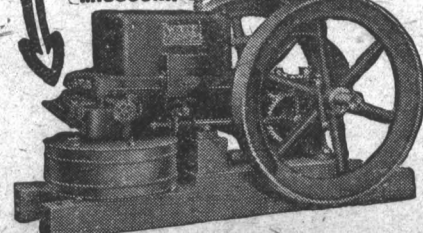
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 A Practical, Proven Power Cultivator for Gardeners, Suburbanites, Truckers, Florists, Nurserymen, Fruit Growers, American Farm Machine Co.
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THE STANDARD in cheap, dependable power—an all-purpose engine—yet so simple and trouble-proof a boy can operate it. Over 100,000 in use all over the world.
BURNS KEROSENE, GASOLINE, GAS-OIL, DISTILLATE or GAS.
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 All Sizes—2 to 25 Horsepower.

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QUICK SHIPMENTS MADE FROM NEAREST OF THESE WAREHOUSES: MINNEAPOLIS, MINN.; ATLANTA, GA.; TRENTON, N. J.; RICHMOND, VA.; TAMPA, FLA.; NEW ORLEANS, LA.; DALLAS, TEXAS; LAR-EDO, TEX.; DENVER, COLO.; BILLINGS, MONT.; SPOKANE, WASH.; NEW YORK, N. Y.; ALBANY, N. Y.; BANGOR, ME.



Broadscope Farm News and Views

Edited by L. W. MEEKS, Hillsdale County

(Many people write for Mr. Meek's advice on different problems and he is always glad to give them the benefit of his wide experience without charge. Address him care of M. B. F. and you will receive a personal reply by early mail if you are a paid-up subscriber.)

"Plant Cheap Seed"

WHEN I was a boy my home was in a city and I often visited at the home of an uncle on a farm during vacations. He was a very practical man, and, I have often thought, as good a farmer as any I have ever known. I can remember many things he said concerning farm practice, in answer to my numerous questions and I believe he was the first man I ever heard quote the old and oft repeated phrase "Plant cheap seed." I have heard and read it many times since, and I often wonder if the ones who quote this saying, "Plant Cheap Seeds" have really given serious thought to what it means. No doubt, the inference is that because a certain kind of seed is low in price many will not attempt to grow it, and the price of the next crop will be high, because of the small acreage and resulting small crop. This is true many times, and while all the yearly variations in price on different crops is not due to the fact of acreage, there are no doubt some instances when it is. But "Cheap Seeds"—what are "Cheap Seeds"? I am a firm believer in cheap seeds, and strange as it may seem, my experience is that cheap seeds are always those that are highest priced. Why? Because the best seeds are the highest priced, and the best seeds invariably produce the best crops—therefore the high priced seed which produced the crop was that the cheapest seed to plant.

I can recall many instances where seeds that were low in price to buy, and supposedly cheap, have proven almost a failure in producing a crop. Mention will be made of one or two such economics.

I once knew of a farmer planting some beans; good seed beans were high priced that spring, and as a grocer had some good looking beans on sale for table use, at a price much below the price of seed beans, these grocery beans were used for planting. Result: Some beans never came up; some grew fine and had blossoms on when others were just showing full sized leaves; some were in bloom when others were ripe and many never ripened. Fifty cents an acre difference in the price of seed beans made the difference between a good crop and a poor one. Were these seed beans cheap?

Last fall a potato buyer bought a few car loads of potatoes at our station. The price at that time was around one dollar per bushel. Many farmers who thought this a very high price for potatoes, at digging time, allowed they might spare a few bushels. The writer, having business at the station one day, took the time to watch some of the farmers drive up to the car with their spuds and have them graded. Most of the loads were small—from fifteen to thirty bushels. Some were very good in quality. Not more than a half bushel would be thrown out of a twenty-five bushel lot. No doubt they were sorted at the farm, but it was certainly evident they were produced from good unmixed seed. Other loads had anywhere from one to five bushels rejected in a twenty-five bushel lot. There would be red potatoes, white potatoes and russet potatoes; long round ones, and, as one woman said, "bubbly" ones. The general size was small, and one could just imagine that farmer planted what he allowed was cheap seed, but, had he known the facts, his cheap seed was very high priced. Had he purchased the best seed pota-

atoes for his planting, and paid a so-called high price for them they would have proven "cheap seeds" indeed.

It's Too Bad

It's too bad but one of the laws Nature put on her statutes about the time she wrote the law of gravitation was one to the effect you can't get something for nothing, and really isn't it "too bad"? This is the law which makes the inhabitants of this sphere have to battle for what they get. And, methinks, few of the incumbents of this globe have to hustle more than the tillers of the soil. The only way to save some of this hustle is to use our heads as much as possible in studying and planning ways and means of assisting our hands and feet to accomplish the most with the least effort. The first thing our head should suggest is not to use valuable energy in planting poor seeds and thereby caring for a poor crop as a result. Cheap seeds, in most every instance, have been costly ones, and high priced seeds invariably prove to be the cheapest.

Some seeds this spring are high in price—such as seed corn and potatoes. Seed corn is high priced, not because corn is cheap, but because very little of it is suitable for seed. Potatoes are high because of a scarcity. Many, who never have grown potatoes, will want to this year while others will increase their acreage. Potatoes may be low in price next fall, but the fellow who grows the largest crop of good potatoes on a small acreage will make the most money and he will be the fellow who plants the best seed and then cares for it.

The one who expects potatoes will be cheap, and does not think it will pay to put much money into good seed will surely lose out if potatoes do sell for a low price, because he won't have many to sell and if they do, accidentally bring a high price, he will lose out for the same reason.

Many ask me if we intend to increase our acreage this coming season. The reply is always the same "Absolutely no." We have a fixed acreage each year and high prices or low prices do not cause it to vary.

If every farmer would have a fixed acreage there would not be so many ups and downs to potato prices on account of the bugaboo "big acreage."

It seems to me I read many more news items about "big acreage" of this or that, than I do "small acreage." Why is this? Big acreage is about the first lever some buyers use in trying to get a farmer to part with his product. I do not remember of a buyer ever telling me potatoes were a small acreage. When we, as farmers, use our heads as much as we should, we will try and raise just as large crops as we do now, on less acres. We must learn to farm for bushels and not for acres.

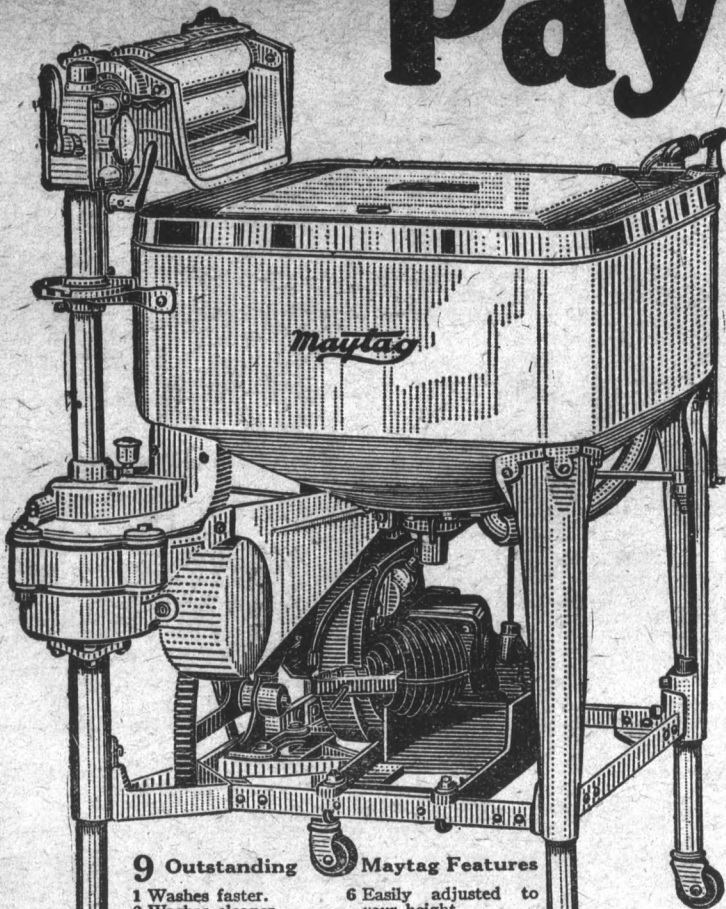
Then there is something else in favor of the best seed or best foundation stock of any kind. "For where your treasure is there will your heart be also," is a passage of Scripture applicable to many things and very much to the money expended on good seed or stock. We will give it better care for we expect more of it, and it seldom disappoints us.

Sometimes we see an advertisement of cut prices on clover seed and other staple seeds. I often wonder how a seed house can quote lower prices on these staple seeds than the seeds are worth in the market. If some one wanted to sell me some wheat, and quoted a price below the market, I should seriously question the quality of that wheat.

No Monkey Glands

Grocer: John, will you please run up that curtain.
 Clerk: I'm not very good at climbing, sir, but I'll try.

Pay no money, till you WASH WITH IT



- 9 Outstanding Maytag Features**
- 1 Washes faster.
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Ask any Maytag dealer to send you without cost or obligation, a Maytag Aluminum Multi-Motor Washer. Then gather the biggest washing you can find, and watch the Maytag wash a big tub of clothes in 3 to 7 minutes. Test it on everything—fine silks, laces and linen, on rag rugs, blankets, on grimy, greasy overalls and work-clothes. The new and different gyro-foam action of the Maytag washes them all clean, even collars, cuffs and wristbands, without hand-rubbing.

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In no other way can you fully appreciate the marvelous speed, the large capacity, the extreme handiness, simplicity and safety of the Maytag. You must actually use the all-metal, automatic-adjusting, instant tension-release

wringer. You must see the cast-aluminum, self-cleaning tub that can't rust, rot, split, warp nor corrode. Observe *all* of the nine outstanding Maytag features. Arrange to do your next washing in a Maytag—no cost, no obligation.

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Alpena.....All Star Shoppe
Ann Arbor.....Ann Arbor Maytag Co.
214 E. Washington, Phone 3732
Bad Axe.....Slack Brothers
Bangor.....J. G. Miller
Battle Creek.....Battle Creek Maytag Co.
Bay City.....Bay City Maytag Co.
Beaverton.....A. T. Brown, Jr.
Belding.....Brown-Hall Co.
Bellevue.....Will C. Dyer
Benton Harbor.....Cutler & Downing
Big Rapids.....J. R. Bennett & Son
Birmingham.....Hawthorne Elec. Co.
Britton.....Alexander Gibson
Burnip.....John Hoeksema
Cadillac.....Webber-Ashworth Co.
Caledonia.....Wegner & Clemens
Capac.....Capac Maytag Co.
Carleton.....E. W. Hartsig
Caro.....Fred J. Purdy
Carson City.....Community Fr. Co.
Caseville.....L. R. Thomas
Cedar Springs.....John Buecus
Centerline.....Rinke Hdwe. Co.
Central Lake, J. H. Smith & Sons.
Charlotte.....Mate Furn. Co.
Cheboygan, Michigan Pub. Serv. Co.
Chesaning.....Chesaning Hdwe. Co.
Clare.....Clare Hdwe. & Impit. Co.
Coldwater.....G. W. Harding & Son
Coopersville.....Durham Hdwe. Co.
Covert.....E. C. Vanderboegh
Croswell.....C. W. Lindke
Crystal Falls.....L. A. Henry
Dearborn.....Theo. Neuendorf & Son
Deckerburg.....Stoutenburg & Wilson
Dundee.....Cauchie & Gray

State of Michigan

Eaton Rapids.....Bromeling & Pettit
Edmore.....Edmore H. & I. Co.
Elkton.....Elkton Hdwe. Co.
Elsie.....M. E. Williams
Fairchild.....Fairchild Gen. Store
Farmington.....N. J. Eisenlord & Son
Flat Rock.....M. F. Keenan
Flushing.....James B. French
Fennville.....Dickinson Brothers
Flint.....Doty Salisbury Co.
Fowlerville.....Will Sidell & Son
Frankenmuth.....A. Nuechterlein
Fraser.....Arthur H. Schneider
Fremont.....Henry Von Tatenhove
Gladstone.....Buckeye Store
Grand Haven.....Grand Haven Maytag Co.
Grand Rapids.....Grand Rapids Maytag Co.
Greenville.....Brown-Hall Co.
Halfway.....Rains Gen. Store
Hamilton.....Harry J. Lampen
Harbor Beach.....Robert Allison
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Hartford.....W. Walker
Hastings.....Miller Furn. Co.
Hemlock.....J. E. Fuller
Hermansville.....Wendt & Bartl
Hillsdale.....Hillsdale Maytag Co.
34 W. Bacon, Phone 893
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Hudson.....H. T. Dillon & Co.
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Ionia.....N. J. Spaulding
Iron Mountain, Rundle Hdwe. Co.
Iron River, Iron Range Lt. & Fr. Co.
Ironwood.....Maytag Sales Co.
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Jackson.....Jackson Maytag Co.
Kalamazoo, Kalamazoo Maytag Co.
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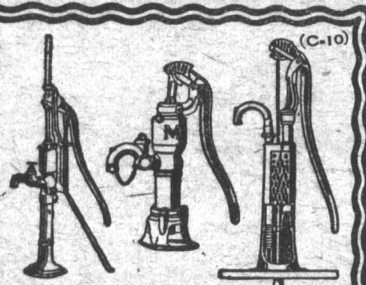
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WHAT THE NEIGHBORS SAY

THE YEAR'S INCOME

DEAR EDITOR: Mr. L. W. Meeks in the M. B. F. issue of Feb. 13, 1926, cites a case where a farmer of 60 acres had an income of \$1,500, from his farm and requests to hear from other farmers along that line.

This looks very good under present conditions if over and above all expenses that a farmer is liable to have in his line of business, but let us look it over. In the first place I consider that a farmer should receive a minimum wage per day of say \$4.00 for 365 days a year. This is what day laborers are paid for 10 hours' work, tools furnished. This would foot up to \$1,460 per year, and would leave \$40.00 pin money for his wife. I believe farmers will agree that after paying or allowing for his board, etc., his wages will not look very high. Now suppose this farmer has to take out of the \$1,460, taxes, insurance, wear of implements, repairs for implements, repairs, on buildings, fences, seed, hired help, threshing, fuel, how much will there be left of his earnings? It also reminds me of a case that occurred in my neighborhood before the war. A city friend informed me that farmers were making good money on the farm. When I requested him to point it out to me he said, "Your neighbor sold a span of 3 year old colts at \$300.00, a bunch of young stock for \$450.00, 1½ to 2 year old, 2 cows, grain, potatoes, butter and eggs, or a total of \$1,200." In return I asked him several questions: 1st did the farmer say he made that much in one year; 2nd, did he grow 3 year old colts in one year; 3rd, how much of the 1½ and 2 year stock was grown in one year; 4th, how about the seed, threshing, hired labor, taxes and all other expenses he had, also a \$25.00 sire fee for the colts, did he make any deduction on the \$1,200? Now where did he make \$1,200 clear," I asked. "I don't know," was the reply. If Mr. Meek's friend has to deduct all expenses out of the \$1,500 income there will not be much left for wages and another question would arise; was all he sold raised in the one year? The word "made" means clear of expenses.—G. A., Tawas City, Mich.

CORN BORER

DEAR EDITOR: I think "C. B." is quite right about the corn borer. There has always been corn borers or corn weevils, they called them when I was a boy.

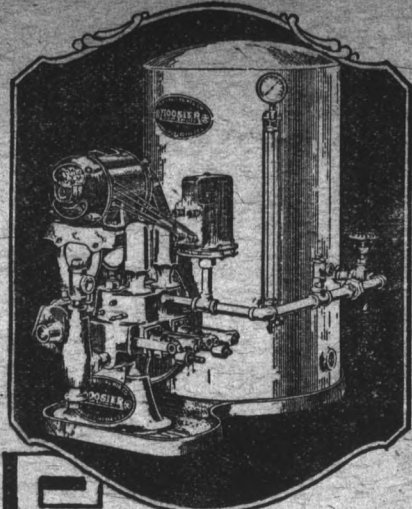
When I was a small boy, just big enough to look at the pictures in a big book that my father got from the agricultural department and tear out the leaves, I found a great big worm on an ear of corn that I didn't like the looks of. They called them corn weevils. But I never saw any of them until we began raising dent corn and planting it in the middle of June instead of the tenth of May as my father always did.

If we said the ground was too cold he would say, "Never mind, get it in the ground, it will grow and be getting strong roots," and I think he was right. Our corn was always ripe early, too early for the borers, they don't touch a hard ear of corn. If everyone would plant early, cultivate and ripen their corn early I don't think there would be much trouble with worms. The late corn gets them.—P. M., Oakley, Mich.

WANTS MORE LETTERS FROM MR. WHEELER

DEAR EDITOR: Much interested in the letter of I. J. Wheeler, in the January 2nd issue, but was sorry he stopped so short. I would like to have him tell how three out of five of his family died and if he attributes any cause of early death to city life while he and the mother are apparently so hale and ambitious. Also would like to hear from him again on the corn borer and hog cholera. He seems to hint at the thorough tending of the corn in the early part of the season as the remedy.—E. R., Port Hope, Michigan.

Enclosed please find \$1.00 for which renew my paper. We find so many good things in it to read. Could not get along without it.—J. O. J., Ovid, Mich.



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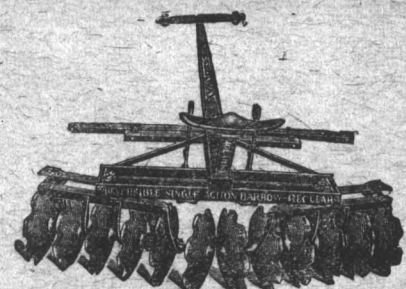
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SOILS AND CROPS

Edited by C. J. WRIGHT

(Questions referred to Mr. Wright are promptly answered by first class mail without charge, if your subscription is paid in advance.)

COMMERCIAL FERTILIZER

WHEN the subject of commercial fertilizer is mentioned to the northern farmer, he usually says, "What is the critter?" There have been all kinds of arguments, some for but chiefly against it by people who really do not know what they are talking about.



C. J. WRIGHT

Fertilizer is nothing more than available plant food that our crop used and uses. Just the same as we feed our live stock corn, oats and bran to make them grow or give milk and furnish energy for farm work.

The three essential foods for crops are nitrogen, phosphorus and potash. Then when you buy fertilizer reading on the sack "2-16-2" you are buying 2 per cent of available nitrogen, 16 per cent of available phosphoric acid and 2 per cent of available potash and the remaining 80 per cent of the sack is just filler that is necessary to carry the 20 per cent of real plant food and this is one of the big reasons in favor of high grade formulas and this is why the better grades are always the cheapest to use. There is nothing stimulating in fertilizer any more than if you feed a horse corn or hay. They are real food and so is fertilizer.

The food elements in commercial fertilizer are readily available and plants can make use of them very quickly providing there is moisture enough in the soil to make them soluble and hence they start plants out quicker and hasten growth and maturity which would be slower by nature's own elements from the soil itself and in each case assists nature by helping and furnishing the elements she may be lacking in this particular instance.

Fertilizer is coming more into use every day and its cause is sure to grow constantly. About 70 per cent of the fertilizer used in the United States is used in the southern states on cotton. Maine uses large amounts on potatoes, some acre. The average application for times as high as 1500 pounds per grain crops being from 200 to 400 pounds and very good results are obtained from its use.

It is a fact that a complete fertilizer such as 2-12-2 or 2-16-2 will ripen corn from a week to ten days before the usual time of ripening and the same is true of wheat and other grains. On some soils acid phosphate will do the same thing, especially where lime has been used before it. The cost of fertilizer in relation to the crop we are growing is the principle factor in determining its use on that individual crop.

It must be remembered that you get the best results from fertilizer on rich ground and there is soil so low in humus that it is likely to derive no benefit whatever from fertilizer because of the poor state of the soil itself. This effect is usually caused by the soil not holding water enough to get in solution the plant food in the fertilizer; where the moisture condition would have been right its effects would have been noticeable on this soil as on the better grades of soil.

Hundreds of farmers have used fertilizer under the conditions mentioned above and as a consequence are dead set against its use, but that does not prove that the fertilizer was at fault. Fertilizer the same as anything else must be used intelligently and you will find the balances tipped in its favor. Let it be remembered that each person's farm presents a different problem and consequently there can be no definite set of rules laid down for its use.

Your soil may be lacking in nitrogen, it may be lacking in phosphorus or it may be lacking in potash and your fertilizer formula (Continued on Page 24)

BUCKEYE CULTIVATORS



PLANT with Superior—and cultivate with Buckeye. That is the plan followed by thousands of farmers in every corn growing section of the country. Buckeye cultivation means far easier work and best possible results—always. Buckeye Cultivators are positively without an equal for simplicity of operation, lightness of draft, balance and flexibility. Like all the products of the Superior plant they are sturdily built of finest materials to give long years of dependable service.

The wheels of Buckeye Cultivators are pivoted to the frame. As a result they shift in unison with the beams by means of easily operated foot levers. This makes it an easy matter for the operator to hold the beams right up to their work—or to dodge hills in the most crooked rows of corn or other row crops. Buckeye Cultivators can be adjusted to cultivate rows from 36 inches to 48

inches apart. They are very strongly built, exceptionally easy to operate, have every possible convenient feature—and they do a perfect job of cultivating. The Buckeye line includes 1-row riding cultivators, 2-row riding cultivators for team or tractor and 1-row walking cultivators which are especially suitable for the cultivation of potatoes, beans, etc.

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The Superior Corn Planter is built to do a hard job supremely well. It is simple, strong, easily operated—and like all Superior implements can be depended upon for utmost accuracy and precision in planting. The use of this highest-quality implement not only means a bigger, better crop, but far greater ease in cultivating. Straight, even rows of uniform height are a certainty—and there are no skips or misses.

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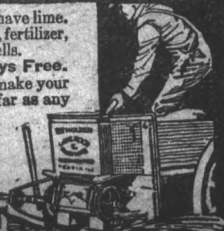
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The New Idea Spreader Co.
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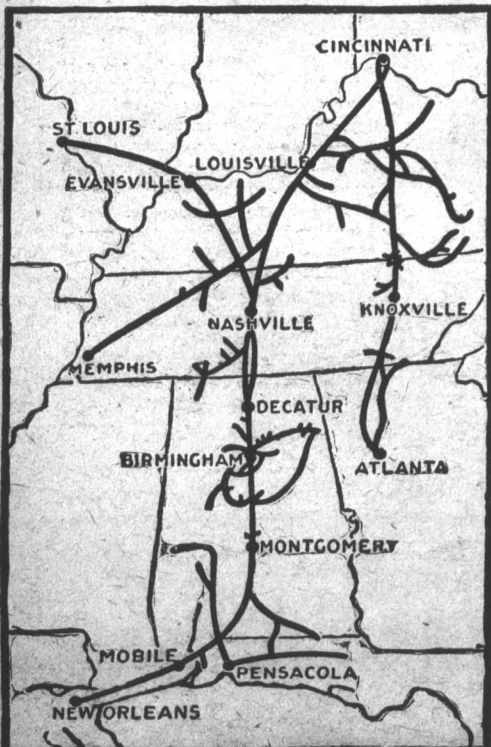
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PRESSING ON

A NON-SECTARIAN SERMON BY

Rev. David T. Warner

(If there is any questions regarding religious matters you would like answered write to Rev. Warner and he will be pleased to serve you without charge. A personal reply will be sent to you if you are a paid-up subscriber.)

TEXT: "Not that I have already obtained, or am already made perfect; but I press on, if so be that I may lay hold on that for which also I was laid hold on by Christ Jesus." Phil. 3:12.

HE was a fellow student. One morning in chapel the president announced that this boy had left for the university and had not as much as one dollar in his pocket. He expected to earn enuf on the way to pay travel expenses and to matriculate at the school. He was pressing on. I met a man in a Western state, moneyless and blind. But man and circumstances could not close, for him, the door to a useful life. Through laborious effort, with natural powers reduced, he was pressing on.

Paul, the author of our text, refused to be contented. Forsaken by John and Mark, he pressed on; chained and imprisoned, he pressed on. And why? What is the secret? Ah, he had been thoroly immersed into the meaning of Christianity: into the Spirit that would not be satisfied. "Even so run that ye may attain," says he. And "I can do all things thru Christ which strengtheneth me."

"Not that I have already obtained." Of course, there must have been those in the Phillipian church that were pretty well satisfied with their attainments in religion, that felt quite complacent over their position in the church, and that were resting from their labors in an expectancy of being caught up to Paradise. Are there any such today? Are we not too well satisfied with just little advances in religion, or mayhap, in just keeping the status quo? Don't we yet know that Christianity is a movement upward and onward, that it is a religion of effort and expectation, and that the impulsive purpose of the Leader should be the purpose of all followers? Isn't it time that we throw our minds into the high gear of this "One thing I do?"

But Paul explained his energetic Christianity to be "a righteousness which is from God by faith." Faith was at the bottom of his dynamic personality. It stirred him to effort and progress. Not the faith of a satisfied achievement, but a high belief that the Christ goal is a becoming process. Through faith he felt a releasing of power which is always a distinguishing feature of Christianity. It is faith that supplies motive for action, power to act, and wins for us the approbation, "Well done, good and faithful servant; enter thou into the joy of thy Lord."

When Saul of Tarsus became Paul, the apostle, he was not so soothed in his experiences as to fall into a self-satisfied mood. But one, has to think sometimes that the supposed magic of the Blood is bewitching to not a few Christians today. Listen, you can hear them singing now, what is to them, an enchanting hymn: "Jesus paid it all." Did he? What meaneth, "If any man would come after me, let him deny himself, take up his cross, and follow me?" And that is yet the rule by which we are to walk. Have we taken up our cross to follow? Do we know what it is to deny ourselves and suffer for others? "Here in Christian America we spend three times as much, to mention only miserable despicable trifles, for chewing gum as would give the Gospel to half a world; twelve times as much for soda water; seventeen times as much for candy as for world-wide missions; one hundred times as much for moving pictures; seventy times as much for tobacco. Here is half the world without Christ and we are laying up a billion dollars a year. They need what we have, and we are playing with it. * * * I know a man whose daughter offered to go to the field. He took two tenths of his income to support her; then they took in boarders and gave more; he is now

giving six tenths of his income from a slender salary. A teacher in a school, supporting her mother, has her own foreign missionary. Does not this challenge come as a call from God?" Well, these are recent words from Sherwood Eddy that ought to shame us out of our selfish living and into the glorious conquest of the world for Christ. That salvation is free, is a pernicious interpretation of the gospel of Christ.

"But I press on." Paul knew where he was going, the goal was in view, and he stretched forward to lay hold of it. This is characteristic of every Christian soul. The Christian is ever making new adjustments in life and striving for higher ground. There is no standing still in the Christian order. The Christian is not asking for spiritual soothing syrup but for the elixir of life and power. He is expecting to move some day from his rented home on Worldly alley to his mansion on Heavenly boulevard; so he doesn't care so much about the thorns in the flesh along the way; just so he makes the grade to the top.

The apostle was no mere dreamer of the past. He had good forgetting power. His blasphemy and persecuting history was such a terrible blunder that he was glad to leave it behind. The future beckoned him forward in a struggle of faith. And his aim was like a torrent in intensity. It had to be in his day. But it must needs be now. We are yet in a world of sense and sin. Human sophistry can not rid life of evil. Faith meets contradictions everywhere. Temptation puts in her strong bid, and he who presses on must have the uncompromising and contending mind of the Christ. He does not enfeeble his powers or impair his faith in dreaming of yesterday. It takes close fellowship with God to put into practice the teachings of the Christian faith in an unbelieving world.

"That I may lay hold." Here is a distinct purpose and unified aim. An obituary of a certain deceased man read, "He had lived a Christian life off and on for forty years." Paul was never off but always on striving for the goal. He felt that his "high calling in Christ Jesus" was a pressing on toward a character of goodness, virtue, and service. "The love of Christ constraineth me," he declares. From the time of his conversion on the Damascus road, he had but one passion, it was Christ. "It is no longer I that live, but Christ that liveth in me." It was not the motive of fear, but of love that gave his life such driving power. Of course, there is an argument for fear in "labor to enter into that rest lest any man fall after the example of unbelief." But this is the fear of reverence and confidence and not of anxiety and terror. Paul had no terrifying doubts about that crown laid up for him.

We are all just travellers and wanting to reach life's summit before our sun sets. We toil on a rough road "sorrowing but rejoicing." We conquer sins and overcome disappointments along the way but seem never to find the perfect state. Here the actual never catches up to the ideal. Perfection is in growth, in pressing on. The spirit of Paul, as he followed Christ, will turn every event of life into a rung of the ladder by which the soul ascends to meet its God.

"Heaven is not reached by a single bound,
But we build the ladder by which
we rise
From the lowly earth to the battic
skies,
And we mount to its summit round
by round."

You will find enclosed 50c to pay for one year to THE BUSINESS FARMER and will say it is the best paper we ever took. We sure enjoy it and find many helpful articles in it.—J. A. Taylor, Bay County.

RADIO DEPARTMENT

By JAMES W. H. WEIR, R. E.

(Any question regarding radio will be gladly answered by our radio editor. You receive a personal letter and there is no charge if your subscription is paid up.)

M. B. F. MARKETS

The Business Farmer radio market reports and farm news are broadcast daily, except Saturday and Sunday, through station WGHP, of Detroit, on a wave length of 270 meters, beginning at 7:00 P. M. eastern standard time.

SUGGESTION FOR COUNTRY STORE

DEAR EDITOR: Have been very interested in your broadcasting of market reports and never fail to try to get them. We own and



H. C. BROWNE
Announcer at WGHP

operate a small country store and the farmers around all gather in the evening and read the market reports which we post on a bulletin just as soon as we get them from WGHP. The only fault with receiving these reports is that they

come in about half an hour late, as Baltimore and Lansing also broadcast at the same time and nearly the same wave length. There would be a much better reception if they were broadcast before the musical program, but believe me we get them anyway if we possibly can.

I really think your station is doing more good for the farmer than any station I have been able to find. We have waited, wished and almost prayed for a station to do what you are doing and our dream is coming true.

Here's to a long and prosperous life to WGHP and THE BUSINESS FARMER.—S. W. Walker, Hillsdale County.

MORE COMMENTS

I enjoy your talks very much.—N. A. Sheridan, Genesee County.

I understood over the radio that you furnished a market pad by writing you. Last evening was the first I ever caught the market from there and want to get it regularly. The farmer is in need of reliable information along this line all the time.—George H. Gifford, Fayette, O.

I received part of the program from WGHP last night. I understood the announcer to say you were asking for criticisms on the station. Now my "kick" is that you are on low wave length, and the stations in Chicago drown you out with their jazz. The trouble may be with my set. Last evening was the first good reception I have had since you started to broadcast.—L. W. Belcher, Lenawee Co.

Farm program comes in fine every night over the radio. The only suggestion that I have to make is that I think you had better get in touch with our county paper and have your program printed along with the other programs as so many only get the paper and they do not know that you are on the air at that time. Had one farmer here at my house the other night when your program was coming in, he said, "How long has this program been going on? I never knew this before. It is not in my Press." Perhaps there are others the same way. Think the program is fine and hope you continue to broadcast.—Chas. F. Long, Oakland County.

The Experience Pool

Bring your everyday problems in and get the experience of other farmers. Questions addressed to this department are published here and answered by you, our readers, who are graduates of the School of Hard Knocks and who have their diplomas from the College of Experience. If you don't want our editor's advice or an expert's advice, but just plain, everyday business farmers' advice, send in your question here. If you can answer the other fellow's question, please do so, he may answer one of yours some day. Address Experience Pool, care The Business Farmer, Mt. Clemens, Mich.

WANTS ADVICE ON TURKEYS

I WOULD like to hear from some of the turkey raisers on what kind is the most profitable and heaviest. Should they be penned up to fatten for market or will they get fat as fast if turned loose and given plenty of feed?—Mrs. B. Isabella County.

A Promise Fulfilled

To carry through one of the greatest expansion programs in automobile history, Dodge Brothers, Inc. invested more than \$10,000,000 in new buildings and advanced new equipment.

Remarkable new mechanical processes were perfected, making it possible, in many instances, for one machine to do the work formerly done by six, eight and ten machines—and do it better.

Making it possible, too, for one man more quickly and accurately to do the work of many. And clearing large areas of factory space for greater output.

Tremendous increases in production have followed. Vast economies have followed. Finer precision in craftsmanship has followed. Vital improvements in Dodge Brothers Motor Car have followed—and, as promised, astonishingly low new prices made possible by these gigantic developments.

Your share in this great investment is the money you save by purchasing, at the lowest price, the finest vehicle ever produced by Dodge Brothers.

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Roadster - - \$795
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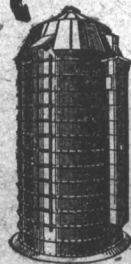
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Have You Poultry For Sale?
An Ad in The Michigan
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SPECIAL LOW PRICES
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BIG MONEY SAVING PLAN

WRITE US REGARDING THIS BIG
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EARLY ORDERS
**—BUY NOW—
PAY LATER**



Following products made of rust resisting ROSSMETAL copper content: Silos, Ensilage Cutters, Cribs, Bins, Feed Grinders, Garages, Brooder Houses, and all Purpose Buildings.

Check items you are interested in and write today for prices. Agents Wanted.

E. W. Ross Ensilage Cutter & Silo Co.
117 Warder St., Springfield, Ohio

Silo—Cutter—Brooder H.—Crib—Garage

Name.....
Address.....
R. F. D..... State.....

Invest Your Surplus Funds

WHERE the principal will be safe and the interest promptly paid twice yearly. Buy Bonds that are issued under U. S. Government supervision by the world's largest mutual farm mortgage banking system. The entire proceeds are used to build up the farming business through loans to active farmers at reasonable rates.

FEDERAL LAND BANK BONDS

Safe—Marketable—Tax-Free

You can buy Federal Land Bank Bonds from any Federal Land Bank or from the Fiscal Agent. Denominations: \$40, \$100, \$500, \$1,000, \$5,000 and \$10,000. Both principal and interest are tax-free.

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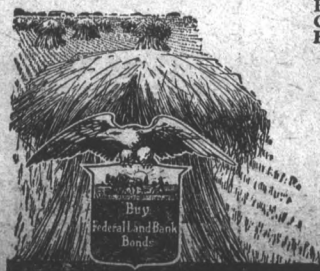
Baltimore, Md.	Louisville, Ky.	Springfield, Mass.
Berkeley, Calif.	New Orleans, La.	St. Louis, Mo.
Columbia, S. C.	Omaha, Nebr.	St. Paul, Minn.
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Write for Federal Farm Loan Circular No. 16
Addressing the nearest Federal Land Bank or

CHAS. E. LOBDELL, Fiscal Agent

FEDERAL LAND BANKS
Washington, D. C.

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Banks Exceed One Billion Dollars



The Michigan BUSINESS FARMER

SATURDAY, MARCH 13, 1926

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The date following your name on the address label shows when your subscription expires. In renewing kindly send this label to avoid mistakes. Remit by check, draft, money-order or registered letter; stamps and currency are at your risk. We acknowledge by first-class mail every dollar received.

Advertising Rates: 45c per agate line. 14 lines to the column inch, 772 lines to the page. Flat rates.
 Live Stock and Auction Sale Advertising: We offer special low rates to reputable breeders of live stock and poultry; write us.

RELIABLE ADVERTISERS

We will not knowingly accept the advertising of any person or firm who we do not believe to be thoroughly honest and reliable. Should any reader have any cause for complaint against any advertiser in these columns, the publisher would appreciate an immediate letter bringing all facts to light. In every case when writing say: "I saw your advertisement in The Michigan Business Farmer." It will guarantee honest dealing.

"The Farm Paper of Service"

THAT FARM LEASE

THERE are thousands of old sayings or saws and some of them can be applied in connection with nearly every subject but we have never heard one that just applied to farm leasing so we want to offer "A written farm lease saves a world of trouble." Isn't it the truth?

Even though you are leasing from or to a warm friend or a relative, one you would trust with all your worldly possessions, you should have a written agreement between you. It is not always a case of trust, but a business-like way of doing things, and if there ever is any trouble or disagreement during the time of the lease you have it down in black and white just what was to be done. There is no forgetting this or that or a misunderstanding of a verbal statement, because it is all written down and the signatures of the interested parties are attached. Hardly a day passes during the period of the lease but questions arise that a carefully written lease would answer satisfactorily. Usually, with a verbal agreement too many of the details are not considered until weeks or months after the beginning of the lease, when all parties have proceeded too far to back out, and often the final settlement is not to the satisfaction of all concerned. One disagreement and thereafter there is apt to be a feeling of distrust, which grows with time. Many fine friendships are destroyed in this way.

Of the several different kinds of leases used in Michigan the most popular one is the 50-50 contract and in this issue we have an article on it written by Howard Kittle, who as county agricultural agent of Clinton county, draws up many of them each year. The recommendations made in this article should be remembered in making up your next farm lease because they represent years of observation on the part of the writer. Also we will be pleased to help you in any way we can.

MARKET FOR POTATOES

WHAT do you think the potato market is going to do? Every few days someone writes us asking this question. Perhaps if we were the "seventh son of a seventh son" we might be able to predict with certainty but, alas, we are only human, and can only take the facts as they are along with prospects for the future and pass our judgment on what we think the market will do.

According to the latest statement issued by Verne H. Church of the U. S. Bureau of Agricultural Economics and L. Whitney Watkins, State Commissioner of Agriculture, the merchantable stocks of potatoes on farms and in the hands of the local dealers on January 1 in the 35 late potato states were the smallest at that date of any years since 1919. This year stocks amounted to 67,127,000 bushels, compared with 119,223,000 bushels last year and 65,405,000 bushels in 1919. Of course these estimates do not include the quantities normally reserved for food and seed nor the amount stored in the larger markets, but no allowance has been made for normal shrinkage or decay. It is also reported that new plantings in the south are smaller than normal and they are backward. Another bit of news that lends the market strength is that potato growing states west of us were liberal sellers during the

closing months of 1925, much of the trade that ordinarily comes to Michigan going out there, and these states are about sold out so buyers will have to look to this state to supply their needs. The government is inclined to discount the statement as to their being sold out.

But are prices going to look so attractive to the grower that he will sell much of his stock of potatoes he has been holding for eating and seed? Some think so and are not expecting much higher prices. Others are of a mind that the quantity held for food and seed is not large enough if it were all put on the market to cause prices to decline. These same people declare that the warehouses on the large are empty.

There are the facts as we have them, and we hope you are able to make a profitable decision. But do not plan a huge acreage for this year because prices are high. Too many will be doing that. If growers planted a certain number of acres each year and increased it gradually as the population increased they would be better off.

APPLES INSTEAD OF CALENDARS

A GRAND RAPIDS wholesale house sent out small cartons of choice Michigan apples to its customers this year instead of expensive calendars. Needless to say the fruit made a hit with the trade, and as a result the company has received orders for more than a hundred bushels of Michigan apples, although the firm was not engaged in the fruit business. The apples sold themselves.

This strengthens out faith in the possibilities of a campaign to advertise Michigan apples and we would like to see something done to bring it about in the near future. In the meantime we hope other concerns use this method of remembering their customers.

"BETTER FARM EQUIPMENT WEEK"

FARM equipment manufacturers and dealers have set aside the week of March 15-20 as "Better Farm Equipment Week" and local dealers in every agricultural section of the country are to put on special displays. Sort of an agricultural implement show week for the benefit of the farmers of this country, and we suggest that you drop in on one or more of your local dealers during the week and look over his stock. You do not have to buy or be interested in buying at this time, because you are not obligated in any way, and you are bound to pick up some good ideas. We'll wager you will be surprised at the variety of machinery you find your dealer carries on hand.

PERSUADED

A FARMER who owned a sow which had produced thirteen pigs was urged to feed for a ton litter. He refused because he thought it wouldn't pay, but the county agent finally persuaded him by guaranteeing him against loss. When the pigs were six months old they showed a net profit of \$352, counting all the costs, including \$7 apiece for the expense of getting them into this world. Most of us really don't know what is good for us a large part of the time. None of us knows it all the time.

OUR LONGEST MARRIED MICHIGAN COUPLE CONTEST

THE quick response to our request in the February 27th issue for photos and histories of Michigan's oldest married couples is indeed gratifying. They began coming in within a couple of days after the issue reached our subscribers and every mail brings more of them. Keep up the good work folks, because we want to make this a real contest, with from one couple to many from every county in Michigan entered.

We announced that we would like to hear from couples who had been married twenty-five years or longer and so far we have heard from folks married from 31 years to 64 years. Next issue we hope to publish a full page of pictures with stories about each couple, and before we are through with this contest we would like to publish several pages so if you can qualify send us a photo and information on how long you have resided in Michigan, ages, what occupation has been, number of children, grandchildren and great-grandchildren, and any other points of interest about lives that our subscribers would like to know about. Prizes are: First, \$5; Second, \$3; Third, \$2. Photos will be returned to senders if desired.

MISREPRESENTING US

THERE are some things which arouse unholy wrath in this editor's bosom. One of them is the attitude of sundry alleged statesmen, uplifters, do-gooders, and even some so-called farm leaders, toward farmers and agriculture. These persons talk and act as if farmers are in need of sweet charity, government guardianship, rank favors in legislation, special advantages and exemptions not enjoyed by other citizens of this country. They assume that agriculture needs all of these things in order to survive, whereas it has survived longer than any other industry in this land. They seem to think that it is an inferior industry, whereas it is the greatest in this nation. Having got these errors into their puny minds they proceed to pity and to condescend while they pose as our friends on the platform, in the press and even in legislative assemblies. We have an ardent but doubtless sinful desire to tell this whole bunch of tearshedders and condescenders to betake themselves to the lowest sub-cellar of perdition. For the real farmers of this country don't want special favors, privileges, exemptions or charity. They don't want anybody to uplift them—they will attend to that. They don't need anybody's pity—they can take care of themselves. They don't require anybody's guardianship in business or anything else. It's about time for real farmers to declare their disgust at all this slush and those who perpetrate it in the name of agriculture. Are we willing to let them go right on misrepresenting us before the world?

GROWTH OF FARMER COOPERATION

IT is to be doubted whether many farmers realize to what great proportions the cooperative movement has grown. Figures given out by the U. S. Bureau of Agricultural Economics, state that there are now 10,803 farmer's cooperative organizations listed with the Department of Agriculture. This number lacks just a few of being double the number listed in 1915 and does not include cooperative banks, credit associations nor insurance companies. The twelve North Central States seem to be far in the lead in this great movement as over 70 per cent of all the coops in the country are in states.

The cooperative movement has safely weathered the early waves of over-enthusiastic membership campaigns. The visionary ideas which then prevailed have given place to sound business principles. Leaders and officers with their heads in the clouds have stepped down and men with plain horse sense have taken their places.

We believe that from now on the cooperative movement will enjoy a steady healthy growth. This will not be a sudden mushroom growth but will be the solid enduring kind which results from hard work and straight thinking.

HERO WORSHIP

THE new Horticultural Building at M. S. C. has its hallways decorated with a series of bronze plates bearing the names of famous men. Famous men! What do the words bring to mind? In the past these words have usually suggested suave diplomats, gold-braided generals, crowned kings and bloodthirsty warriors.

But the bronze plates in the Horticultural Building do not bear the names of kings and warriors. They commemorate the names of hard working earnest men whose brains and hands, since ancient times, have built up the great horticultural industry. How much more worthwhile it is to have discovered a new fruit or to have worked out a better way of growing a crop, than to have sent an army of men into the shambles of battle. If we must have hero worship why not give our applause and reverence to the great builders of prosperity and happiness rather than to the great destroyers.

THEY KNOW

DR. LOUISE STANLEY, chief of the Bureau of Home Economics in the United States Department of Agriculture, recently said that "country people are just beginning to learn the value of preserving their fruits and vegetables". O, sugar! Country people knew it long before Dr. Stanley's advent on this earth. And most country women can tell her what she will find in the third row of jars on the fourth shelf at the right of the east door of the fruit closet, where reposes more than a year's supply of good things.

PETER PLOW'S PHILOSOPHY

Now I guess folks realize what a wonderful state Michigan is, and even real estate men from Florida and California will have to admit their states can't compare with our's. You see, a Michigan couple has been found to be the best Charleston dancers in the whole country.



Champion X—exclusively for Fords—packed in the red box. 60°

DEPENDABILITY

The greatest thing about a Ford is the way it keeps going, even under the worst conditions. The dependability of Champions—which have been standard Ford equipment for 14 years—is an integral part of Ford dependability.

A new set of dependable Champion Spark Plugs every 10,000 miles will restore power, speed and acceleration and actually save their cost in less oil and gas used.

CHAMPION
Dependable for Every Engine
Toledo, Ohio



PUBLISHER'S DESK

TRUSTEE FOR LESLIE JONES ADVISES US

MOST of our subscribers who have followed this page during the last year will remember at least one of the several articles we have printed condemning Leslie Jones of Olney, Illinois, and his "work-at-home" scheme of sewing gloves. Before we heard of this man Jones we had investigated several other companies with practically the same proposition and it appealed to us as a fraud. That our judgement in the matter was not wrong is indicated by the fact that most of these companies were forced to close up by the post office department some time ago, Jones included.

Early last summer Jones sent out a letter to his customers stating: "Due to complaints from some of those who had made contracts to sew for me reaching the postal department, the Department has made a thorough investigation of this business, and have advised me that it was conducted along lines that were in violation to the Postal Laws and Regulations, and therefore must cease. I therefore, in order to do the honest thing, have appointed a Trustee and have turned over to this Trustee, all my assets. He is to turn this into cash as quickly as possible, and distribute to creditors the money received in this manner."

This trustee, Donald A. Griffin, then sent notice that nothing could be done in the way of settling claims until after September 8th, but apparently nothing has been done to date.

The fore part of February we wrote him but were obliged to send a second letter before getting any reply, and he then advised that on account of court proceedings the business would not be closed up until after May 15th. He further advised, "There will be little if anything coming to the creditors, since we already have over 5,600 claims, like those you mention, against Jones, and more still coming in. That means he owes many thousands of dollars and left only a small sum to pay everything. Please assure your patrons that I am doing the best I can for them under these trying conditions. We have not money enough for postage and clerk hire to answer the many letters (from 40 to 375 a day) we receive. That explains our not responding."

From the above it looks as though anyone who sent money to Jones will have to charge it up to experience. We are pleased that we have been able to save considerable money for our readers who took our advice regarding this man and hope of the 5,600 victims few of them reside on farms in Michigan. It always pays to investigate an unknown concern before sending any money to them. We are at your service.

THANKS!

Just a few lines to let you know that I received the socks from the 24th of January. I sent for them the 15th of December. I don't think I would have gotten them if it wasn't for you, so thanks very many times.—J. E. S., Manistee, Michigan.

In regard to my claim of —, will say I received the six dollars December 11th. That is some service. That man wouldn't pay any attention to me, but he was sorry that I saw fit to bother you. Well, I thank you for the \$6.00.—B. W., Sheridan, Michigan.

The Collection Box

The purpose of this department is to protect our subscribers from fraudulent dealings or unfair treatment by persons or concerns at a distance.

In every case we will do our best to make a satisfactory settlement or force action, for which no charge for our services will ever be made, providing:

- 1.—The claim is made by a paid-up subscriber to The Business Farmer.
- 2.—The claim is not more than 6 mos. old.
- 3.—The claim is not local or between people within easy distance of one another. These should be settled at first hand and not attempted by mail.

Address all letters, giving full particulars, amounts, dates, etc., enclosing also your address label from the front cover of any issue to prove that you are a paid-up subscriber.

THE BUSINESS FARMER, Collection Box
Mt. Clemens, Mich.
Report ending March 6, 1926
Total number of claims filed..... 2787
Amount involved..... \$29,409.83
Total number of claims settled..... 2297
Amount secured..... \$26,103.68

First Mortgage Real Estate Bonds



Current Issue now being offered
—Barlum Hotel, Detroit, Mich.

Through safe, non-fluctuating bonds, profitable interest, and a comprehensive investment service we can offer you distinct relief from all ordinary investment worries.

6%

Normal Federal Income Tax Up to 2%
Paid by Borrower

Federal Bond & Mortgage Company

(1633)

Federal Bond & Mortgage Building in Detroit, Mich.

WHEN WRITING TO ADVERTISERS PLEASE MENTION THE BUSINESS FARMER.

8 Good Reasons why you ought to try Red Strand Fence

Copper Bearing Steel

2 to 3 times more zinc

Galvannealed

can't slip Knot

stiff stay wires

crimped line wires

always tight & trim

Red Strand marking



If the fence you buy is marked with the RED STRAND then you'll have the longest lasting fence made. Only the new Red Strand has all these points—only in the Red Strand are you able to get the patented "Galvannealed" zinc protection which means 2 to 3 times heavier zinc coating than on ordinary galvanized wire. That's why this new fence lasts so many years longer.

Galvannealed Square Deal Fence

These three sent free to land owners: (1) Red Strand Catalog—tells about patented process and COPPER-BEARING steel, can't-slip knot, stiff picket-like stay wires, making fewer posts necessary; well crimped line wires that retain their tension, etc. (2) "Official Proof of Tests"—Nationally known experts' tests on various kinds of fence. (Be sure to read this before buying any fence.) (3) Ropp's Calculator, answers 75,000 farm questions. Write

KEYSTONE STEEL & WIRE CO.
4858 Industrial St. Peoria, Illinois

Every Day You Need

KRESO DIP No. 1
(STANDARDIZED)

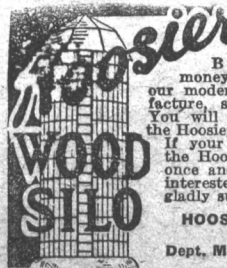
TO AID IN KEEPING
All Livestock and Poultry Healthy
Kills Lice, Mites and Fleas.
For Scratches, Wounds and common skin troubles.

THE FOLLOWING BOOKLETS ARE FREE

- No. 151—FARM SANITATION. Describes and tells how to prevent diseases common to livestock.
- No. 157—DOG BOOKLET. Tells how to rid the dog of fleas and to help prevent disease.
- No. 160—HOG BOOKLET. Covers the prevention of common hog diseases.
- No. 185—HOG WALLOWS. Gives complete directions for the construction of a concrete hog wallow.
- No. 163—POULTRY. How to get rid of lice and mites, and to prevent disease.

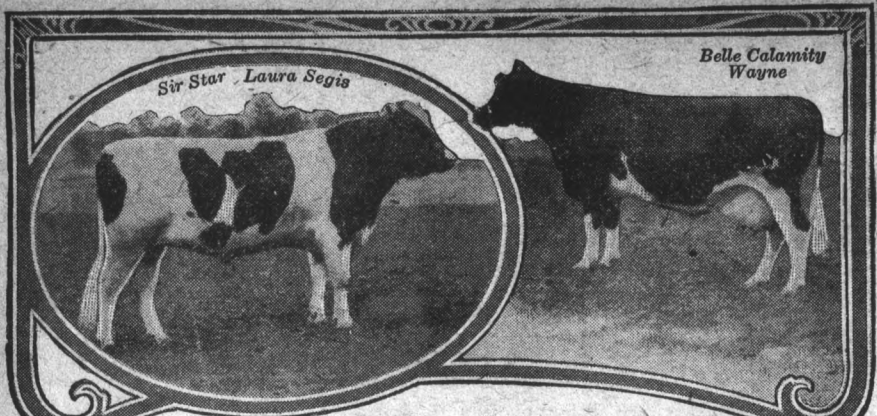
Kreso Dip No. 1 in Original Packages for Sale at All Drug Stores.

ANIMAL INDUSTRY DEPARTMENT OF
Parke, Davis & Co.
DETROIT, MICH.



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Better silos for less money made possible by our modern methods of manufacture, sale and distribution. You will want to know about the Hoosier silo before you buy. If your dealer is not selling the Hoosier silos, write us at once and advise the size silo interested in and we will gladly submit you quotations.
HOOSIER BLDG. TILE & SILO CO.
Dept. MB-17 Albany, Indiana

Michigan Business Farmer Market Reports every night at 7 o'clock except Saturday and Sunday—from Station WGHP, Detroit, broadcasting on 270 meters.



Canada's Cattle "Take the Cream"

LIVE stock breeders in Canada grow rich. The men who farm in your easily-reached neighbor country find every encouragement for raising high quality beef and dairy cattle.

At the great National Dairy Exposition at Indianapolis in October, 1925, the most coveted prize offered—first award for State Herd—was captured by Canadian Holsteins. The Senior and Grand Champion Female was a Canadian cow. Likewise, the Junior Champion Bull came from Canada. Of 24 animals entered by 10 Canadian breeders and shown against approximately 300 of the best dairy type animals produced in North America, 18 won individual prizes. The uniform high quality of the exhibit from Canada was conceded by all and was very generally commented upon.

Equally great are the opportunities in Canada for grain growing, mixed farming and fruit and poultry raising. Cheaper land, larger crops and bigger profits await you—along with a cordial welcome, and every

facility for prosperous, independent life. Three hundred million acres of North America's richest agricultural land—virgin soil on which the best hard wheat in the world can be raised at lowest cost and marketed at highest prices!

This most productive land is fully served by railways. Freight rates are lower than in the States. Land taxes, too, are lighter. Good roads, markets, schools, and churches. Rural telephone service. Good neighbors, who probably include folks from your home district. Yet the cost is only \$15 to \$20 an acre—with long-term payments arranged, if desired. Farther back from the railroads, free homesteads, partially wooded, are still available within reasonable distances. In 1924 Americans took up 608 of these homesteads; during the period from January to November, 1925, Americans took up 657 homesteads in Canada.

If you are a farmer, or a young man eager to farm under ideal conditions, do not put this paper down until you write a letter to salaried officials of the Government of Canada who are at your service to assist you in moving and getting suitably located. Canada wants you and is willing to serve you. Act at once!

**Bigger Crops
Lower Cost**



Clip this advertisement from "Michigan Business Farmer" and send it, along with a letter describing the kind of farm you would like to get in Canada to:

J. A. MacLACHLAN,
Canadian Government Agent
(D-37) 10 Jefferson Ave. E., Detroit, Mich.

"The wonder is that a country affording such exceptional opportunities to the landless men of our own continent.... could still be so largely undeveloped."—C. A. Cobb, Editor, "Southern Ruralist", Atlanta, Ga., and President American Agricultural Editors' Assn.

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The Indian Drum

By William MacHarg and Edwin Balmer

Copyright by Edwin Balmer

(Continued from Feb. 27th issue.)

HE had stopped in front of her, half turned her way; his body swayed and bent to the booming of the Drum, as his swollen lips counted its soundings. She could see him plainly in the moonlight, yet she drew nearer to him as she followed his count. "Twenty-one," he counted—"Twenty-two!" The Drum was still going on. "Twenty-four—twenty-five—twenty-six!" Would he count another?

He did not; and her pulses, which had halted, leaped with relief; and through her comprehension rushed. It was thus she had seen him counting in the cabin, but so vaguely that she had not been certain of it, but only able to suspect. Then the Drum had stopped short of twenty-six, but he had not stopped counting because of that; he had made the sounds twenty-six, when she and the woman had made them twenty-two; now he had reckoned them twenty-six, though the Drum, as she separated the sound from other noises, still went on!

He moved on again, descending the steep side of a little ravine, and she followed. One of his snowshoes caught in a protruding root and, instead of slowing to free it with care, he pulled it violently out, and she heard the dry, seasoned wood crack. He looked down, swore, saw that the wood had not broken through and went on; but as he reached the bottom of the slope, she leaped downward from a little height behind him and crashed down upon his trailing snowshoe just behind the heel. The rending snap of the wood came beneath her feet. Had she broken through his shoe or snapped her own? She sprang back, as he cried out and swung in an attempt to grasp her; he lunged to follow her, and she ran a few steps away and stopped. At his next step, his foot entangled in the mesh of the broken snowshoe, and he stooped, cursing, to strip it off and hurl it from him; the he tore off the one from the other foot, and threw it away, and lurched after her again; but now he sank above his knees and floundered in the snow. She stood for a moment while the half-mad, half-drunken figure struggled toward her along the side of the ravine; then she ran to where the tree trunks hid her from him, but where she could look out from the shadow and see him. He gained the top of the slope and turned in the direction she had gone; assured then, apparently, that she had fled in fear of him, he started back more swiftly toward the beach. She followed, keeping out of his sight among the trees.

To twenty-six, he had counted—to twenty-six, each time! That told that he knew one was living among those who had been upon the ferry! The Drum—it was not easy to count with exactness those wild, irregularly leaping sounds; one might make of them almost what one wished—or feared! And if, in his terror here, Henry made the count twenty-six, it was because he knew—he knew that one was living! What one? It could only be one of two to dismay him so; there had been only two on the ferry whose rescue he had feared; only two who, living, he would have let lie upon this beach which he had chosen and set aside for his patrol, while he waited for him to die!

She forced herself on, unsparingly, as she saw Henry gaining the shore and as, believing himself alone, he hurried northward. She went with him, paralleling his course among the trees. On the wind-swept ridges of the ice, where there was little snow, he could travel for long stretches faster than she; she struggled to keep even with him, her lungs seared by the cold air as she gasped for breath. But she could not rest; she could not let herself be exhausted. Merciless minute after minute she raced him thus—A dark shape—a figure lay stretched upon

the ice ahead! Beyond and still farther out, something which seemed the fragments of lifeboat tossed up and down where the waves thundered and gleamed at the edge of the floe.

Henry's pace quickened; hers quickened desperately too. She left the shelter of the trees and scrambled down the steep pitch of the bluff, shouting, crying aloud. Henry turned about and saw her; he halted, and she passed him with a rush and got between him and the form upon the ice, before she turned and faced him.

Defeat—defeat of whatever frightful purpose he had had—was his now that she was there to witness what he might do; and in his realization of that, he burst out in oaths against her—He advanced; she stood, confronting—he swayed slightly in his walk and swung past her and away; he went past those things on the beach and kept on along the ice hummocks toward the north.

She ran to the huddled figure of the man in mackinaw and cap; his face was hidden partly by the position in which he lay and partly by the drifting snow; but, before she swept the snow away and turned him to her, she knew that he was Alan.

She cried to him and, when he did not answer, she shook him to get him awake; but she could not rouse him. Praying in wild whispers to herself, she opened his jacket and felt within his clothes; he was warm—at least he was not frozen within! No; and there seemed some stir of his heart! She tried to lift him, to carry him; then to drag him. But she could not; he fell from her arms into the snow again, and she sat down, pulling him upon her lap and clasping him to her.

She must have aid, she must get him to some house, she must take him out of the terrible cold; but dared she leave him? Might Henry return, if she went away? She arose and looked about. Far up the shore she saw his figure rising and falling with his flight over the rough ice. A sound came to her too, the low, deep reverberation of the Drum beating once more along the shore and in the woods and out upon the lake; and it seemed to her that Henry's figure, in the stumbling steps of his flight, was keeping time to the wild rhythm of that sound. And she stooped to Alan and covered him with her coat, before leaving him; for she feared no longer Henry's return.

CHAPTER XXI

The Fate of the "Miwaka"

"So this isn't your house, Judah?"

"No, Alan; this is an Indian's house, but it is not mine. It is Adam Enos' house. He and his wife went somewhere else when you needed this."

"He helped to bring me here then?"

"No, Alan. They were alone here—she and Adam's wife. When she found you, they brought you back here—more than a mile along the beach. Two women!"

Alan choked as he put down the little porcupine quill box which had started this line of inquiry. Whatever questions he had asked of Judah or of Sherrill these last few days had brought him very quickly back to her. Moved by some intuitive certainty regarding Spearman, she had come north; she had not thought of peril to herself; she had struggled alone across dangerous ice in storm—a girl brought up as she had been! She had found him—Alan—with life almost extinct upon the beach; she and the Indian woman, Wassaquam had just said, had brought him along the shore. How had they managed that, he wondered; they had somehow got him to this house which, in his ignorance of exactly where he was upon the mainland, he had thought must be Wassaquam's; she had gone to get help—His throat closed up, and his eyes filled as he thought of this.

In the week during which he had been cared for here, Alan had not seen Constance; but there had been a peculiar

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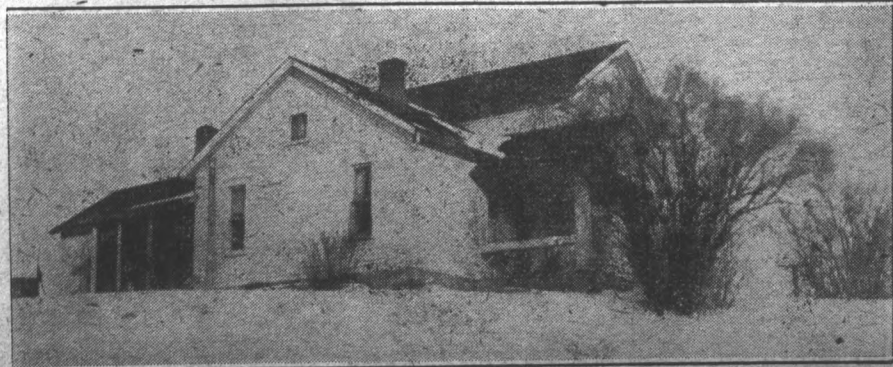
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ON THE ELLISON FARM

Here is where Fred Ellison, of Sparta, lives. The house being located on a hill one can get a fine view of the country from any side.

and exciting alteration in Sherrill's manner toward him, he had felt; it was something more than merely liking for him that Sherrill had showed, and Sherrill had spoken of her to him as Constance, not, as he had called her always before, "Miss Sherrill" or "My daughter." Alan had had dreams which had seemed impossible of fulfillment, of dedicating his life and all that he could make of it to her; now Sherrill's manner had brought to him something like awe, as of something quite incredible.

When he had believed that disgrace was his—disgrace because he was Benjamin Corvet's son—he had hidden, or tried to hide, his feeling toward her; he knew now that he was not Corvet's son; Spearman had shot his father, Corvet had said. But he could not be certain yet who his father was or what revelation regarding himself might now be given. Could he dare to betray that he was thinking of Constance as—as he could not keep from thinking? He dared not without daring to dream that Sherrill's manner meant that she could care for him; and that he could not presume. What she had undergone for him—her venture alone up the beach and that dreadful contest which had taken place between her and Spearman—must remain circumstances which he had learned but from which he could not yet take conclusions.

He turned to the Indian.
"Has anything more been heard of Spearman, Judah?"

"Only this; he crossed the Straits the next day upon the ferry there. In Mackinaw City he bought liquor at a bar and took it with him; he asked there about trains into the northwest. He has gone, leaving all he had. What else could he do?"

Alan crossed the little cabin and looked out the window over the snow-covered slope, where the bright sun was shining. It was very still without; there was no motion at all in the pines toward the ice-bound shore; and the shadow of the wood smoke rising from the cabin chimney made almost a straight line across the snow. Snow had covered any tracks that there had been upon the beach where those who had been in the boat with him had been found dead. He had known that this must be; he had believed them beyond aid when he had tried for the shore to summon help for them and for himself. The other boat, which had carried survivors of the wreck, blown farther to the south, had been able to gain the shore of North Fox Island; and as these men had not been so long exposed before they were brought to shelter, four men lived. Sherrill had told him their names; they were the mate, the assistant engineer, a deckhand and Father Perron, the priest who had been a passenger but who had stayed with the crew till the last. Benjamin Corvet had perished in the wreckage of the cars.

As Alan went back to his chair, the Indian watched him and seemed not displeased.

"You feel good now, Alan?" Wassaquam asked.

"Almost like myself, Judah."

"That is right then. It was thought you would be like that today." He looked at the long shadows and at the height of the early morning sun, estimating the time of day. "A sled is coming soon now."

"We're going to leave here, Judah?"

"Yes, Alan."

Was he going to see her then? Excitement stirred him, and he turned to Wassaquam to ask that; but suddenly he hesitated and did not inquire.

(Continued in March 27th issue.)

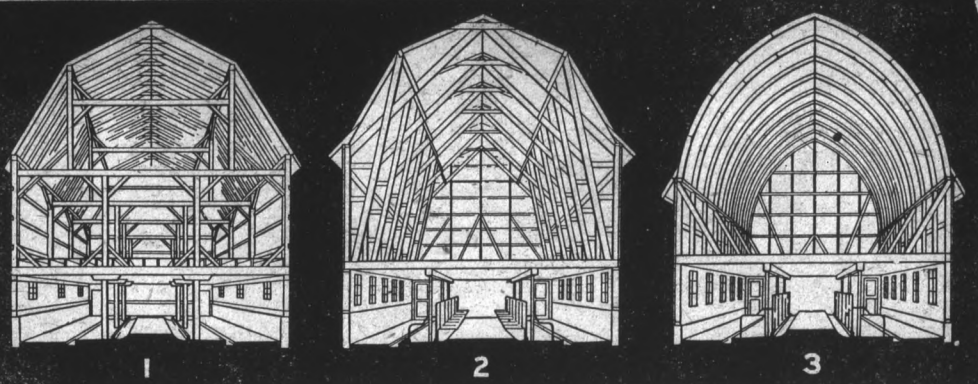
OUR BOOK REVIEW

(Books reviewed under this heading may be secured through The Michigan Business Farmer, and will be promptly shipped by parcel post on receipt of publisher's price stated.)

One Increasing Purpose.—By A. S. M. Hutchinson, author of "If Winter Comes." The quest of humanity for something to satisfy the hunger of the soul, is typified in this story of Slim Paris's search for the answer to the eternal question, for what is this life? The process takes him through many dramatic crises in the Paris family. Published by Little, Brown and Co., Boston. Price \$2.00.

Living With Our Children.—A book of little essays for mothers. By Clara D. Pierson, author of "Three Little Millers," "Among the Meadow People," etc. Mother and grandmother herself, the author has, by virtue of her past experience as teacher and training teacher, frequently been called upon to speak before Mothers' Clubs and parent-Teachers' Associations. The questions, perplexities, and discouragements which have been submitted to her afterward, both publicly and privately, have brought home to her the absolute need of counsel and advice for young mothers and all who live in daily and hourly contact with children; for somewhere there is a wealth of experience to draw upon, somewhere there is a clue to the right way of doing. Here in this very simple and homely little book the author extends a helping hand to perplexed parents and all those devoted folk who have the care of the youngsters as their concern. Mrs. Pierson has spent a lifetime in teaching, living with and writing for children, and will be remembered as the author of some of the best children's books ever published. Published by E. P. Dutton & Company

Which is Best?



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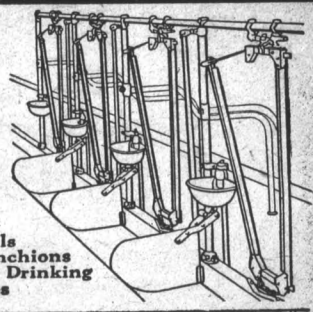
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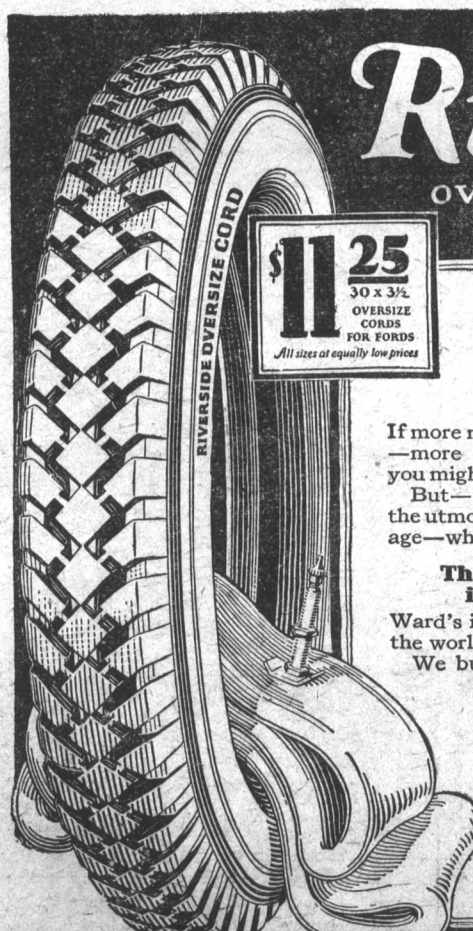
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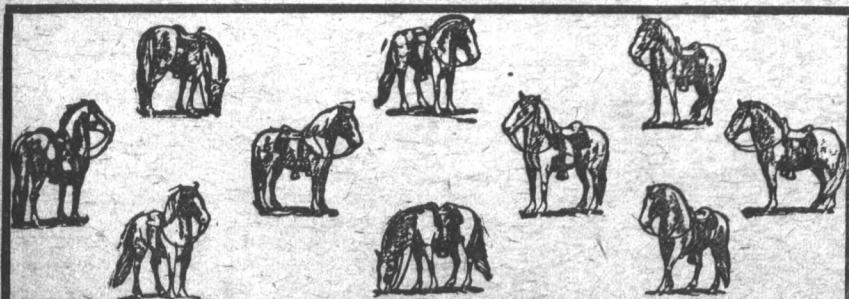


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E. E. DAVIS, Pony Man, Desk 364, 801 First St., Des Moines, Iowa



Motto: DO YOUR BEST
Colors: BLUE AND GOLD

DEAR girls and boys: Most of you, I hope, are interested in reading good books. Not the kind of books the general public knows as the "best sellers" but those that will contribute much towards the betterment of your education. Just what do I mean? Well, following is a list of books suitable for children of sixteen years of age and under, prepared by the Bureau of Education of the Interior Department. While this list does not contain all the books that children should read before they are sixteen, yet it gives you a fine list and a general idea of other books suitable. I wish you would go over this list closely and see how many of the books you have read.

The titles of the books and names of the authors are as follows:

"Little Women," by Louisa May Alcott.

"Robinson Crusoe," by Daniel Defoe.

"Tanglewood Tales" by Nathaniel Hawthorne.

"Uncle Remus," by Joel Chandler Harris.

Anderson's Fairy Tales.

"Jungle Book," by Rudyard Kipling.

"Alice in Wonderland," by Lewis Carroll.

"Treasure Island," by Robert Louis Stevenson.

"Just So Stories," by Rudyard Kipling.

"Heidi," by Johana Spyri.

"Arabian Nights."

"Adventures of Odysseus," by Paddrias P. Colum.

"Oregon Trail," by Francis Parkman.

"Hans Brinker," by Mary Mapes Dodge.

"Tom Sawyer," by Mark Twain.

"The Swiss Family Robinson," by Johann David Wyss.

"Merry Adventures of Robin Hood," by Howard Pyle.

"Captains Courageous," by Rudyard Kipling.

"Boy's King Arthur," by Sir Thomas Mallory.

"Ivanhoe," by Sir Walter Scott.

Aesop's Fables.

"Water Babies," by Charles Kingsley.

"Child's Garden of Verse," by Robert Louis Stevenson.

"Master Skylark," by John Bennett.

"Little Men," by Louisa M. Alcott.

"The Little Lame Prince," by Dinah Craig Mulock.

"Gulliver's Travels," by Johnathan Swift.

"Boy's Life of Abraham Lincoln," by Helen Nicolay.

"The Story of a Bad Boy," by Thomas Bailey Aldrich.

"Huckleberry Finn," by Mark Twain.

"The Prince and the Pauper," by Mark Twain.

Grimms Fairy Tales.

"Story of Mr. Doolittle," by Hugh Lofting.

"Wonderful Adventures of Nils," by Selma Lagerlof.

"Joan of Arc," by L. M. Boutet de Monvel.

"Rebecca of Sunnybrook Farm," by Kate Douglas Wiggin.

"Man Without a Country," by Edward Everett Hale.

"Men of Iron," by Howard Pyle.

"Understood Betsy," by Dorothy Canfield.

"Dog of Flanders," by Ouida.

How many have you read? I wish you would write and tell me.—UNCLE NED.

Our Boys and Girls

Dear Uncle Ned:—I have never written before, but I would like to enter your merry circle. I live on an eighty-acre farm. I have a brother that goes to a country school and is in the third grade. I go to the same school he does, but I am in the sixth grade. The color of my hair is light brown and I have hazel eyes. I am eleven years old the first of September. I have a mile and a half to go to school, but I ride with my teacher. We take THE BUSINESS FARMER and we like it very much. Your

niece.—Lucelle Gerlinger, R2, Sunfield, Michigan.

—Now that you have "broken the ice" I suppose we will hear from you often.

Dear Uncle Ned:—I received your letter and was pleased to get it. I am going to tell you about our parent-teacher's club. The parent-teacher's club meets once a month. They have a small program some times and a lunch. The last time they had a parent-teacher's club, I played a piece on the piano. We have a radio in our school and we enjoy hearing it. I will tell you about my pets. We have two dogs, four cats, and a pet lamb which follows us everywhere we go. New Year's night we went over to my grandpa's and we invited a few of our friends in and we danced. He has a big store and a big hall.

Every Saturday night grandpa has a dance, my girl friend and I go and we have a nice time.

We have a nice berry patch. In the summer time we pick as high as eleven bushels. I earn enough money to buy lots of my clothes. I will close. Hoping to be your niece.—Evelyn Leaman, R4, Freeland, Michigan.

—A very interesting letter, Evelyn, and hope I may hear from you again soon. Tell us more about the parent-teacher's club and the programs they have. Also tell us about the radio at your school. What programs do you listen to and when? Do you listen every day?

Dear Uncle Ned:—I have never written to you before. I like the Children's Hour page. I always turn to that page first and read all the letters from the children. As I have never read any from Williamsburg, I thought I would write. Hope you will let me in. I am in the sixth grade at school. Have Miss Pearl McTaggart of Fife Lake for a teacher and we all like her very much.

I am nearly eleven years old, have brown hair and eyes and am not very fat. I wear glasses and have three sisters: Irene, 13; Lydia, 8; and Leola, 6. My baby brother is 21 months old. His birthday is the nineteenth of March and mine is the twenty-third. My mother's is the thirteenth of March.

My grandfather has one of the largest farms around the country. He has about twenty cows and lots of pigs, besides horses. He has a threshing outfit. He also draws the children to the new school at Williamsburg, one of the finest schools in the state.

I hope Mr. Waste Paper Basket will be on a visit, so it will not catch by letter. Maybe I will write again some time. I surely hope to see my letter in your fine paper.—Melvon A. Broomhead, R2, Williamsburg, Michigan.

—So your grandpa has a threshing machine. I suppose you have heard the joke about the little city boy who said he didn't want to go to the country where they had threshing machines, because his papa could hurt him enough with a strap. He thought a threshing machine was something to whip bad boys with. Write again, Melvon.

Dear Uncle Ned:—I have never written to you before, I would like to enter your merry circle. Before going any further I will describe myself the same as the rest of the cousins do. I am five feet two and a half inches tall, and weigh 107 pounds, I have a light complexion and have brown hair, which of course, is bobbed and shingled. I have blue eyes. I am thirteen years old and will be fourteen on March 15th, and I am in the eighth grade. I have three brothers and one sister.

I live on an eighty-acre farm. I help my mother a great deal. We also have twelve cows and I must tell you that I can milk too. We live four miles from the nearest town, and when my brother and I want to go to the show we have to walk. We will go Saturday night. My Dad is not very well now, he has a cold. He has a car which I will learn to drive next summer. I always have good times in summer.

We have taken the M. B. F. for about four months and I have never failed to read the Children's Hour, or The Indian Drum. I have one-half mile to walk to school. I like school and also the farm. I hope Mr. Waste Basket has just had his fill. Hoping to have success. Your niece—Ada Werner, Engadine, Michigan.

Dear Uncle Ned:—I am 7 years old and in the 3rd grade. I have 2 little sisters. Their names are Mildred and Shirley Anne. I have two brothers. We all had a party for Valentine's Day at school. We went way down town. Every one in school went. When we came back to school again, we had our Valentine party. Just my brother Dick and I go to school. Dick is the oldest boy, but I am the oldest of all the children. Mamma put some sweet out doors for the birds to eat. From your niece.—Marion Siddall, Manton, Michigan.

FRUIT and ORCHARD

Edited by HERBERT NAFZIGER

(Mr. Nafziger will be pleased to answer your questions regarding the fruit and orchard. There is no charge for this service if your subscription is paid in advance and you will receive a personal letter by early mail.)

MISFIT NURSERY STOCK

ARE the trees true to name or are they not? That is the question which lurks in the back of every fruit grower's head when he buys nursery stock and hopefully



Herbert Nafziger

plants an orchard. This question is especially important in the case of apple trees, which take many years to come into bearing. No one but the man who has had the experience knows the feeling of disappointment and resentment which follows the discovery that trees which have been carefully tended for years are not the desired variety, but a hodge-podge of worthless sorts.

One of the best ways to guard against such troubles is to buy only from reliable, established nurseries which have years of experience and good reputation behind them.

Another plan to eliminate misfits has been worked out by the Massachusetts Experiment Station. This consists of actual certification of the young trees in the nursery rows by men who have given years of study to the appearance and growth of the various varieties of orchard trees. The principles involved in the identification of specimens of fruit are applied in similar fashion to the identification of young trees.

The plan was first employed by the Massachusetts Fruit Growers Association. Certification work was started in 1921 and has steadily increased. In the year 1925, 166,810 trees were certified in Eastern nurseries and about 9250 trees were rejected as untrue to name.

The work is usually done during August and September. Dr. J. K. Shaw and A. P. French of the Massachusetts Station are the experts who examine the trees. They will walk down a row of young McIntosh for instance, and a tree of any other variety will be instantly detected by their practiced eyes. The untrue tree is broken down and rejected. Following the experts is a "sealing gang" of from four to six men who drill a 1/16 inch hole through a branch of each tree. A wire is passed through this hole and the ends of the wire fastened together by means of a lead seal with the name of the variety upon it. Dr. Shaw says that this seal may be allowed to remain on the tree until it comes into bearing without any ill effects resulting.

The cost of certification, not including the wages of the sealing crew, seems to range from 1.3 to 3.7 cents per tree. So far the work has been confined to the commercial varieties of apples but the certification of certain varieties of pears, plums, and cherries will soon be undertaken.

Let us all hope that this laudable work will continue to prove successful as it promises to remove, or at least minimize, one of the hazards of orcharding.

Many mature fruit trees are carrying too much wood. The best way to prune to remedy this is a distributed thinning of the smaller branches all through the tree.

Don't prune large main limbs from mature apple-trees. Use discretion and a smaller saw, or even a pair of pruning shears.

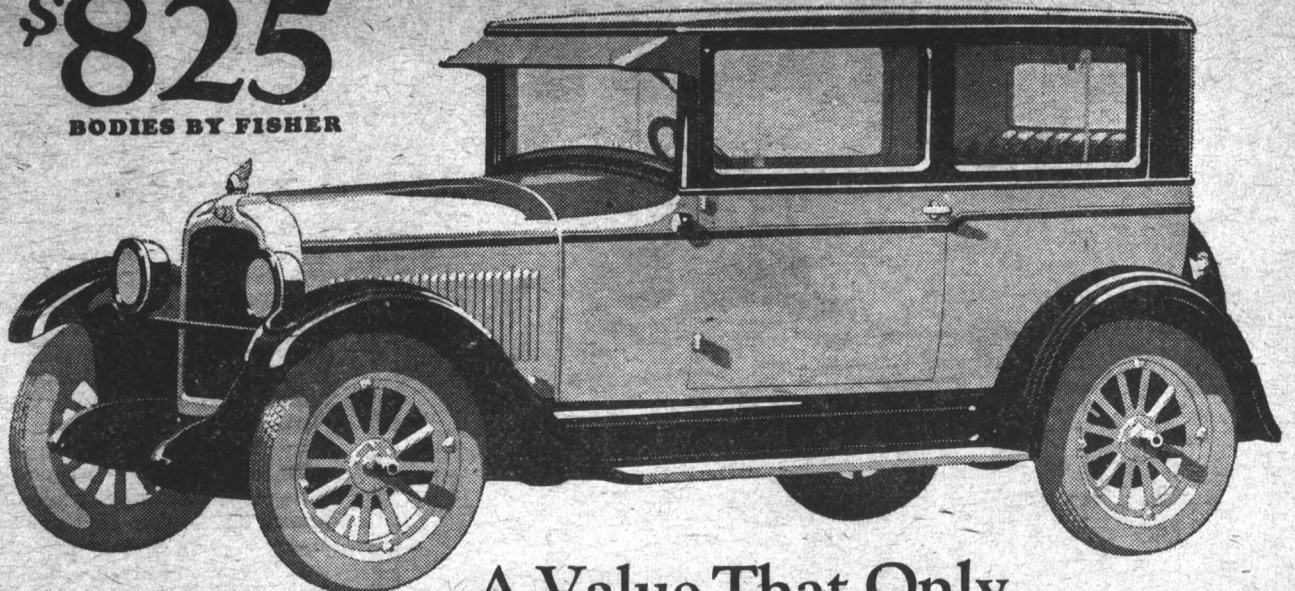
Hello Old Friends:—Find enclosed one dollar to renew my subscription as you will find my name on the first page of early days. I will never forget the courtesy I have received through your valuable paper in years gone by.—J. J. E., Caro, Michigan.

Enclosed please find \$2.00 for which please extend my subscription 5 years. I cannot afford to be without it. I am a charter member of THE BUSINESS FARMER and when I read the paper I always know it is the truth. I also admire your stand for honesty. G. G., Jonesville, Michigan.

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Handy "Bayer" boxes of 12 tablets. Also bottles of 24 and 100—Druggists.

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The Farm Home

A Department for the Women

Edited by MRS. ANNIE TAYLOR

DEAR FOLKS: I believe that every woman, farm or city, has hidden away in her mind a picture of the house she hopes she and her husband may own some day. Some women realize their "dream home" but many do not. However, all enjoy visioning their air castle and comparing it with the fine houses they see. I am sure you will be interested in comparing yours with the average ideal farm home learned from the results of a number of farm house planning contests conducted by a leading architect. The architect declares 50 per cent want one-story bungalows. Preference is first for 6 rooms, next for 5 rooms and then 7 rooms. Over 98 per cent desire bathrooms, most of them wanting the bath on the first floor. Nearly 50 per cent favor frame houses, the remainder wanting brick, stucco and concrete. Forty per cent want hardwood floors, and over 50 per cent want fire places in addition to hot air furnaces or steam heating plants. Many were interested in offices, sleeping porches, sewing rooms, breakfast nooks, etc. The contests provided the advisability of having the stairway and main entrance at the rear instead of the front, and the kitchen placed so the worker could see the public road easily from a main window.

The article "House Plants" is the first of a series on flowers and shrubs by Alex Laurie, professor of floriculture at the M. S. C. I hope you will find it of great interest and watch for others in the near future.

Address letters: Mrs. Annie Taylor, care The Business Farmer, Mt. Clemens, Michigan.

KEEPING YOUNG FOLKS ON FARM

I READ your request for letters about keeping the young folks on the farm and I just can't help saying what I think.

Personally, I don't care a fig about keeping them there if they want to go. Why should I? There are other employments in which virtue and happiness may be found and I, for one, do not and never did believe in parents trying to run their children's lives for them after they have arrived at years of discretion. Nothing but trouble comes of trying to fit round pegs into square holes which is often the case when parents attempt choose their children's occupation. I want to bring my children up to be honorable Christian men and women and if I can do that with the Lord's help, I think I shall not worry greatly over what line of work they choose. If they measure up to this standard, they will not choose anything that is morally wrong. I believe that nothing causes a man, or woman to be so unhappy and discontented as to feel that he was forced or unduly persuaded in making his choice.

Our fathers laid down their lives for liberty. How can our children help loving and wanting it? The love of liberty is born in every home and bred in the flesh. Let us stop all this sighing and sobbing because the boys and girls want to take their own steps instead of following in ours and spend our time trying to help them find the place in life whether it be on the farm, or elsewhere.—Mrs. A. L. J., Ingham County.

HOUSE PLANTS

SUCCESS with house-plants is based essentially upon knowledge of their requirements. In most homes the conditions are not ideal for proper growing of plants. In order to succeed it becomes essential to understand the plant needs regarding light, moisture, temperature and control of pests.

Light

All plants require an abundance of light, but they vary as to the degree of sunlight needed. Flowering plants like geraniums, roses, begonias thrive best in a sunny south window, while others like ferns, palms and vines do better in an east window where the light is more subdued. West windows should have some protection against afternoon sun, while the north windows are not advisable at all.

Moisture

Under the usual conditions in the house plants dry out, become unhealthy and are then susceptible to insect and disease attack. Spraying of the foliage at least once a day with water will benefit plants. The use of shallow dishes filled with water will cause rapid evaporation and

the raising of humidity in the room. Watering should be done systematically, but no set rule can be laid down due to varying conditions. In general the smaller the pot, the more frequent should the watering be. When the top of the pot is dry it is usually a good sign that water is needed. Water thoroughly but do not make a practice of setting the pots in pans of water and allowing the water to be drawn up to the surface. This is apt to result in injury to the plant thru oversaturation.

Ventilation is an important factor in keeping house plants in good condition. Opening windows on bright days is very beneficial providing draughts are avoided. Night temperature of 50 degrees F. and days temperature of 65 degrees F. is best for most plants.

Soil

Plants adapt themselves readily to varying soils providing that food elements are present in available form. A good mixture for potting is composed of one half garden loam, one quarter sand and one quarter leaf mold or well rotted manure. An addition of bone meal in proportion of a four inch potful to a wheelbarrow load will be beneficial. The assumption that each individual plant requires different kind of soil is erroneous.

Potting

In potting seedlings the soil should contain but a small proportion of manure. Two and one half inch pots are used. First place a piece of broken pot in the bottom, curved side up to insure proper drainage. A little soil is sifted on top of that, the seedling place in the middle of the pot and more soil filled around the stem and roots the roots. The pot should not be filled to the brim to allow for retention of water. After potting thorough watering must be given. When repotting from one pot to another, one size larger should be used. The need for this operation is shown when the plants become "pot-bound" or full of roots.

Pests

House plants frequently become diseased and infested with insects. The usual disease forms manifested by spots and mildews may be checked by spraying the leaves with livers of sulphur dissolved in proportion of one ounce to three gallons of water. The most common insects are green aphids, mealy bugs, red spider, scale and white fly. The first two are sucking insects and may be eradicated by the use of nicotine sulphate which can be obtained in concentrated form from a seedsman or florist. Red spider which works on the underside of the leaf may be washed off with a forcible spray of water. Scale insects are washed off with thick soap suds and the foliage later rinsed with tepid water. White fly can not be

Don't neglect a Cold

Dangerous sickness often starts with a cold. Ward off your colds with Musterole before pneumonia starts.

Musterole is a clean, white ointment made with oil of mustard. It has all the healing properties of the old-fashioned mustard plaster without the blister.

At the first sneeze take Musterole from the bathroom shelf and rub the ointment gently over congested spot.

It penetrates the skin and goes right down to the seat of the trouble.

Rheumatism, tonsillitis, lumbago, coughs and colds are all symptoms that call for Musterole.

To Mothers: Musterole is also made in milder form for babies and small children. Ask for Children's Musterole.

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Jars & Tubes



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Vapors stop Colds



VAPORS reach a cold

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It is vaporized by the body heat and inhaled, while you sleep, right to the affected parts, loosening the phlegm and easing the difficult breathing.

At the same time it acts through the skin (like a poultice or plaster) "drawing out" the pain and soreness.

Most colds yield by morning to this double action of Vicks.

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Colds

Be quick—be sure

Colds are dangerous. Stop them at once. Correct their damage. Open the bowels, check the fever, tone the system. You can do that in 24 hours with HILL'S. This way is efficient and complete. It is so well-proved that millions now employ it. It is so superior that we paid \$1,000,000 for it. Don't rely on minor treatments. Deal with a cold in the best way known—and now.

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killed in the house, requiring the fumes of a poisonous gas for its destruction.

The following plants are suitable for house culture: Foliage plants—Palms, Ferns, Rubber Plant, Rex and other Begonias of the same type, Aspidistra, Asparagus Fern, Wandering Jew, English Ivy.

Flowering plants—Wax, Plant, Fuchsia, Geranium, Rose, Cyclamen, Primrose, Christmas Cherry, Hydrangea.—Alex Laurie, Floriculture, Michigan State College.

Personal Column

Canning Beef.—I am writing to learn just how you prepare beef for canning. How do you cook it?—L. C., Wayne Co.

—The following is the way of preparing beef for canning:

Cut beef into pieces of suitable size to pack well in jars. Sear meat by plunging into boiling water and boiling 10 minutes or by browning in frying pan.

Pack into jar (better to use jars no larger than quart size as the heat penetrates better in smaller jars). Add boiling liquor from kettle or liquor made by pouring boiling water into frying pan where meat was seared. Fill jar to within 1/2 inch of top of jar. Put on rubber and top and partially seal the jar. Place in hot water bath or steamer and process for 3 1/2 hours.

Remove from canner and seal jars. The meat may first be cooked until half or three-fourths done and processed three hours.

If steam pressure cooker is used for processing the time may be shortened. 5 pounds' pressure, 2 hours; 10 to 15 pounds pressure, 1 hour.—Osee Hughes, Associate Professor of Home Economics, M. S. C.

—if you are well bred!

Twenty Minutes Before the Wedding.—At either church or house wedding certain details should have been attended to by those concerned, so that—some twenty minutes before the ceremony—everything is practically "set" for the ceremony, whether it take place in house or church. The twenty minutes must be regarded as an "emergency allowance" of time to cover any last minute slips or adjustments called for. Twenty minutes before the ceremony:

1. Every member of the bridal party should be dressed and in readiness to proceed to the church, or fall into line in the house processional. If it is a church wedding the maid of honor and bridesmaids already should have reached the bride's house and should be in attendance on the bride, ready to go on to the church. If a bridal "group" picture is taken, this should have been attended to before the twenty minutes "emergency" period.

2. In the church (or in the house, if it is a large house wedding and ushers have been appointed), the great majority of the guests should have been assigned their places by this time.

3. The best man should be in attendance on the bridegroom, cheering and strengthening him for the coming ordeal, for the formalities of a wedding are an ordeal to the average bridegroom, though the moment of his marriage may be the happiest of his life. The best man already has seen that every last detail of the bridegroom's dress is as it should be. He has placed the bridegroom's travelling bag (with the clothes to which he changes after the ceremony) in a conspicuous place in the room assigned him in the home of the bride's parents. He has attended to checking the bridal pair's luggage, which is already aboard train or steamer, or in their hotel rooms, and has registered for them if they are staying at a hotel in town. If he is a really competent best man, the key to his hotel room, and any tickets, checks, etc., the bridegroom will need after leaving the house when the collation is over are enclosed in an envelope (or in his pocket-case) in the coat of his travelling suit in his bag.

4. At approximately twenty minutes before the hour set for a church wedding the bridegroom quietly leaves the bride's house for the church with his best man (who has the wedding ring and the clergyman's fee in his pocket). The bridegroom slips almost furtively into a side door of the church, for, as has been said, he is only a necessary adjunct and not entitled to any triumphant front-entrance appearance on the scene. He is tucked away in the rector's study to pass the harrowing moments of inaction as best he may, and his best man is supposed to keep up his spirits to the best of his ability.

The Runner's Bible

When thou art in tribulation and all these things come upon thee, if in the latter days thou return to the Lord thy God, and hearken unto his voice; for the Lord thy God is a merciful God; he will not fail thee, neither destroy thee. Deut. 4:30.

Only goodness and loving kindness shall follow me all the days of my life:

(Continued on Page 22)

This free Style Book shows Stout Women how to dress in the new fashionable slender silhouette.



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THOUSANDS upon thousands of other stout women throughout the country have now become the outstandingly well-dressed women of their communities. So can you.

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Lem Patnode, of Clinton Co., N. Y., is one of those dairy-men who put cow-health first.

He says he feeds Unicorn because he can keep his cows in good condition the year around and at the same time get the milk at the lowest grain cost.



How about the health of your cows? Can they pass the above 7-point test?

If not—feed Unicorn Dairy Ration. Keep your cows healthy and at the same time cut from 20 to 50 cents from your present cost of making 100 pounds of milk.

CHAPIN & COMPANY, Chicago

Lem Patnode
is the man

Miss Kelly, Gr. H.
is the cow

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AT LOWEST GRAIN COST

But what Lem Patnode
wants to show by this picture is this:

1. Unicorn-fed cows keep healthy.
2. Freshen normally.
3. Drop healthy calves.
4. Keep free from udder troubles.
5. Start lactation period in good flesh.
6. Produce to limit of natural capacity.
7. Maintain milk-flow for longer lactation period.

and I shall dwell in the house of Jehovah forever.—Ps. 23:6. (E. E. V.)

Read over and over Psalms 1, 34, 91, 145, and 146; they are filled with an assurance of help.

Recipes

I have received so many helpful things through THE BUSINESS FARMER and though we take other farm papers we appreciate the usefulness of the M. B. F. I have often thought I would write but a very busy life on a farm has helped me to neglect it until now I need help, so am writing. Shall also send a tested recipe or two.

White Cake.—One cup sugar thoroughly mixed with one-half cup cream, sweet or sour, a pinch of salt, two cups pastry flour, a little more bread flour, sifted with one level teaspoon baking powder, one cup sweet or sour milk, lastly the stiffly beaten white of one egg. If sour cream and sour milk are used add one quarter teaspoon soda, if sweet milk and cream, add two level teaspoons baking powder, season with desired seasoning, plenty of fruit and a few nut meats and make the above a light fruit cake.

An Inexpensive Dark Cake.—One-half cup sugar, one cup cooking molasses, spices, pinch of salt, one tablespoon shortening, one cup milk, or one-half cup milk and one-half cup water, or one cup cold coffee, one cup raisins, one-half cup figs cut fine, one-half cup nut meats, one apple cut very fine, flour to make a stiff batter. This makes a large cake or can be baked in two small pans. Frosted it will keep moist for some time.—Mrs. R., Oakland County.

Cream Cookies.—1 cup thick sour cream, 1 cup sugar, 1 level teaspoonful soda, 1 heaping teaspoonful baking powder, ¼ teaspoonful salt, flour to make a soft dough to roll out.—Mrs. B.

AIDS TO GOOD DRESSING

(Questions gladly answered free of charge.)



5345. Frock for the Growing Girl.—Plaid woolen, rep. crepe or velvet would be attractive for this model. The Pattern is cut in 4 Sizes: 6, 8, 10 and 12 years. A 10 year size requires 2½ yards of 32 inch plaid or other material and ¼ yard of contrasting material for vestee, cuffs, facings for collar and a belt as illustrated in the large view. If the entire dress is made of one material 3 yards will be required.

5331. Youthful Frock.—Wool Jersey, flannel, plaid suiting, kasha and faille could be used for this design. The closing is at the left shoulder. The Pattern is cut in 3 Sizes: 16, 18 and 20 years. An 18 year size requires 3½ yards of 40 inch material.

5328. Stylish Frock.—Faille silk or kasha braided with soutache or decorated with embroidery would be suitable for this design. The back shows the long waist and flare skirt. This model is cut in 6 Sizes: 34, 36, 38, 40, 42 and 44 inches bust measure. A 38-inch size requires 2½ yards of 54 inch material. The width at the lower edge is 2 yards.

4991. A Practical Costume.—In these petti-coated days one may be modestly and comfortably attired in a dress with bloomers such as the accompanying illustration portrays. The bloomers may be of the same material as the dress, or of silk, saten or serge in a matched color. The dress a one piece, straight line model, with convenient side closing. The Pattern is cut in 6 Sizes: 34, 36, 38, 40, 42 and 44 inches bust measure. To make the dress of 36 inch material for a medium size will require 4½ yards. The bloomers and bodice will require 2½ yards. The width of the dress at the foot is 1½ yard.

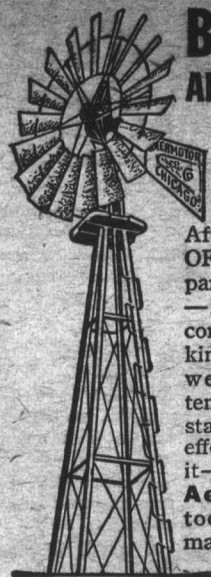


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will clean it off without laying up
the horse. No blister, no hair
gone. Concentrated—only a few
drops required at an application. \$2.50 per
bottle delivered. Describe your case for special instructions,
and Book 8 R free. **ABSORBINE, JR.**, the anti-
septic liniment for mankind, reduces Painful Swellings,
Enlarged Glands, Wens, Bruises, Varicose Veins; allays
Pain and Inflammation. Price \$1.25 a bottle at druggists or
delivered. Liberal trial bottle postpaid for 10c.
V. F. YOUNG, Inc., 369 Lyman St., Springfield, Mass.

**CONDON'S GIANT TOMATO
EVERBEARING**

"QUEEN OF THE MARKET." Big Money-Maker. Large, solid
fruit; excellent canner. To introduce to you our
Northern Grown Live Seeds and Plants, we
will mail you 125 seeds of Condon's Giant
Everbearing Tomato and
our Big 1926 Garden and
Farm Guide.
1926 Page Book, tells how, and what to
plant. Price lower than ever.
SEND POSTAL TODAY
CONDON BROS., Seedsmen
Box 218 Rockford, Illinois

WHEN WRITING ADVERTISERS
MENTION THE MICHIGAN BUSINESS FARMER

Do You Keep Cows



Dairy profits and poorly equipped barns don't go together. Any farmer with any kind of a barn can keep cows. But it takes modern barn equipment to save labor and cut costs so that the cows keep you.



D

Developed by over 27 years of experience the Drew Line of stalls, stanchions and other barn equipment will give you years of service and our prices will save you money.



R

Right now, it will pay you to see the Drew Line dealer near you and compare Drew Line equipment point for point with any other and see for yourself how much more honest value it gives for less money.



E

Every refinement you could wish for—all the latest labor saving improvements—the Drew Line dealer will show you and quote you lower prices.



W

Whether it be stalls or stanchions, litter carriers, bull pens, cattle pens, water bowls or mangers, be sure to see the Drew Line dealer and get his prices before you buy.

This FREE Book will save you money

The Drew Line Barn Book pictures and describes every item in the complete Drew line. We will gladly send you a copy free and postpaid and also the name of the Drew Line dealer nearest you. Write for this free book. It will save you money.



THE DREW LINE COMPANY
Dept. 1505
Fort Atkinson, Wis.
Elmira, N. Y.

DREW
LINE

Ever Since 1898—Better
Equipment for Less Money

Don't Pay for 4 Months

So that you may see and use the one cream separator with the single bearing suspended self-balancing bowl, we will send an imported Belgium Melotte Cream Separator, any model, direct to your farm and you don't pay us for it for 4 months. You may have a 30 Day Free Trial to convince yourself.

Write for FREE BOOK!

Write today for new Melotte catalog containing full description of this wonderful separator and our big offer.

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MELOTTE 2643 W. 19th St., Dept. 22-83



Free Catalog in colors explains how you can save money on Farm Truck or Road Wagons, also steel or wood wheels to fit any running gear. Send for it today.
Electric Wheel Co.
22 Elm St., Quincy, Ill.



FINE LOOKING PAIR.
Purebred Herefords owned by Fred Brindley, of Pickford. Mr. Brindley is one of the Upper Peninsula's leading cattle breeders.

DAIRY AND LIVESTOCK

(Questions answered free of charge.)

REASONS FOR TYING FLEECES WITH PAPER TWINE

PROGRESSIVE sheep raisers are using paper wool twine and sheep branding paint that will scour out of their wool. However, the wool trade reports that there is a need for still more improvement along this line. They point out that the owners of farm flocks of sheep are especially lax in the use of improper fleece twine, and that it would be to their distinct advantage to turn to the use of paper twine. Wool tied with paper twine will sell more readily than similar wool tied with twine of jute, hemp, or similar fibers. Fragments of paper twine will come out of the wool in the scouring process. Other twines leave bits of vegetable fibers which are removed from the finished cloth by expensive hand labor.

Workers of the United States Department of Agriculture have observed the handicap which improperly branded fleeces meet when they come before the wool buyers. For years many of our largest wool growers have been using paint which will scour out and they realize it helps in selling their clip to the best advantage. One of the largest wool growers reports a saving of 2 cents a pound on wool that is properly prepared. Most of the branding paint is removed in the wool-sorting operation by sheep shears. The wool clipped off in this branding paint is practically a complete loss. Particles of paint which will not scour are very objectionable. This means an increase in the shrinkage, a loss of wool, injury to other wool, a damage to the finished fabric and requires expensive hand labor and makes the wool sell less readily.

Further information on this matter may be secured from county extension agents or State agricultural colleges.

RELIEVING THE DRUDGERY OF MILKING

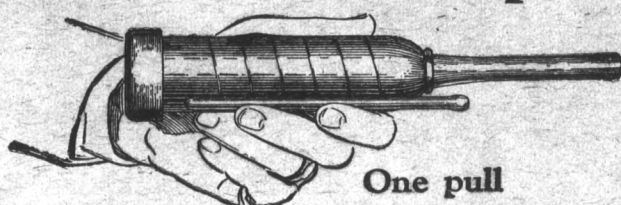
"I WOULDN'T care to run a dairy without a milking machine," said Harry Clark of Medina, Ohio. Clark has used a machine since 1917 and has nothing but praise for it.

The keeping of a herd of sixteen or twenty heavy milkers is one item in the operation of a general farm. Clark has other stock to care for morning and evening and often times his harvesting or other field work is pressing. The fact that the mechanical milker makes it possible for man to do the milking for two of them, is a great relief. It gives one an opportunity to get more work done in the field. Then, too, Clark says that the operation of the milking machine is a much easier task than is hand milking. After a busy day in the field he says that neither himself nor his hired man feel any objection to operating the machine for an hour. However, were it necessary to milk by hand for an hour or two, it would seem to be a very arduous task.

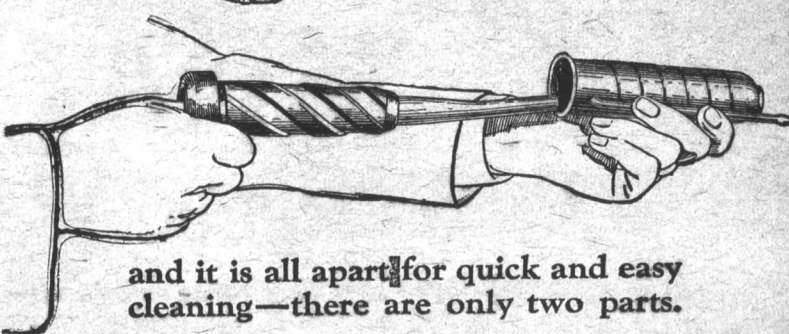
Clark easily milks sixteen cows in hour. This fact combined with some clever arrangements that enable the feeding to be done quickly and easily would seem to, as Clark says, "take the drudgery out of the dairy business."

(Continued on Page 24)

Here is the New Perfection Teat Cup



One pull

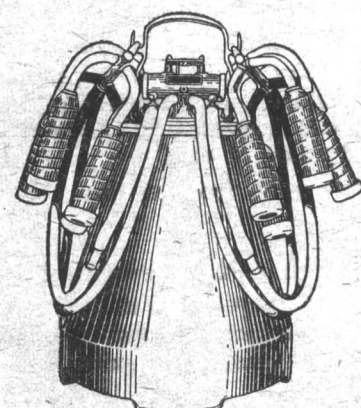


and it is all apart for quick and easy cleaning—there are only two parts.

THESE days everyone admits that a good mechanical milker does the work in one third the time of hand milking. But the cleaning has in the past been a bit of a chore.

The new simplified Perfection teat cup solves this problem. Only 2 parts—one pull—and it is all apart for quick and easy cleaning. Furthermore users find that the new teat cup milks faster, cleaner and with less vacuum.

If you have one of the thousands of Perfection Milkers which have given such enthusiastic satisfaction since they were put on the market 13 years ago or if you have any other inflation type milker you can better it at a small expense with these new teat cups.



If you are still milking by hand consider the cost in hours wasted and in drudgery. Send for our new catalog and ask about easy monthly payments.

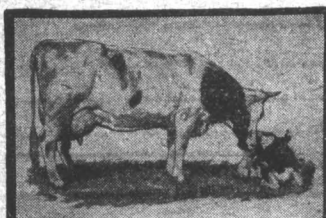
Perfection Mfg. Co.

2116 East Hennepin Ave., Minneapolis, Minn.

— or —

200 West Jefferson Street, Syracuse, New York

PERFECTION MILKER



ARE YOUR COWS Losing Their Calves

If they are, you are losing money! You can stop this loss yourself AT SMALL COST

Write for FREE copy of "The Cattle Specialist," our cattle paper. Answers all questions asked during the past thirty years about this trouble in cows. Let us tell you how to get the "Practical Home Veterinarian", a Live Stock Doctor Book, without cost. Veterinary advice FREE. Write us tonight about your live stock ailments. A postal will do.

Dr. David Roberts Veterinary Co., Inc., 152 Grand Ave., Waukesha, Wis.



TELESCOPE FREE

Brass bound. Opens about 2 feet long. You can see objects a mile away. Given for selling 36 pkgs. Chewing Gum at 5 cts. a pkg. Write for Chewing Gum Today.
Blaine Mfg. Co., 805 Mill St., Concord Jct., Mass.

Dewberry Plants

4 for 25c; 25 for \$1.00. 12 Grape Vines for \$1.00; 3 Peach Trees, \$1.00; Hollyhock seed, 10c package.
MARSHALL VINEYARD, Paw Paw, Michigan.

COMPLETE DISPERSION SALE

of Entire Herd of 54 Registered and Grade Holsteins and O. I. C. Bred Sows

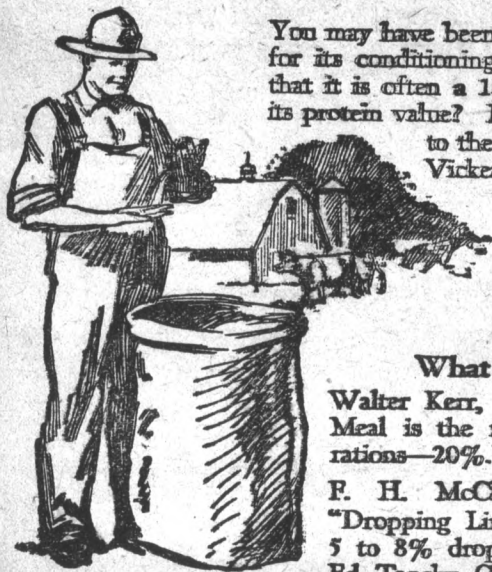
at the Farm 3 Miles East and South of Hersey

WEDNESDAY, MARCH 24, 1926

Horses and tools sold at 9:30 a. m.; cattle at 1:30 p. m. One mature bull Maryland Colantha Dutchess Segis; 2 yearling bulls, choice cows and bred heifers. Early Eureka and Petoskey Seed Potatoes.

GEORGE McKAY, PROP.

FEED MORE Linseed MEAL In the Ration



You may have been feeding some Linseed Meal for its conditioning value, but do you realize that it is often a 100% investment, as regards its protein value? Investigation may bring you to the same conclusion as Mr. Kit Vickery, of Joplin, Mo., who says:

"After reading Prof. Morrison's booklet, I find I have been feeding only half as much Linseed Meal as I should."

What Dairymen Report

Walter Kerr, Cohasset, Mass.: "Linseed Meal is the most essential part of our rations—20%."

F. H. McClellan, Wellington, Ohio: "Dropping Linseed Meal would mean a 5 to 8% drop in milk production."

Ed. Tansky, Greensburg, Pa.: "My ration is always 15 to 20% Linseed Meal regardless of cost."

Rolla Oliver, Independence, Mo.: "We never feed less than 100 lbs. Linseed Meal to 16 cwt. of other feed."

What Cattlemen State

W. E. Siglin, Dunlap, Iowa: "My cattle, finished on 4 lbs. Linseed Meal a day, topped the market."
R. J. Barrett, Dallas Center, Iowa: "Shortens finishing period thirty to forty days."

What Hog Growers Say

J. H. Rigdon, Waterloo, Iowa: "As a substitute for tankage it showed surprising gains."
Doran Bros., Ohio, Ill.: "Worth \$75.00 last season feeding hogs."

PROFITABLE ALSO FOR FEEDING SHEEP, HORSES AND POULTRY. How much you should use in your rations, the books listed in the coupon below will tell you, and our Secretary will be glad to help you in any feeding problems.

Linseed Crushers Meal Advertising Committee

Room 1128 Union Trust Bldg.
Dept. BB-3 CHICAGO, ILL.

Please send me without obligation either or both of the books I have checked with an "X" below:

- ☐ Booklet "Dollars and Cents RESULTS as told by Practical Feeders, Breeders and Dairymen."
☐ Booklet "How to Make Money With Linseed Meal," by Prof. F. B. Morrison, author with W. A. Henry of the Recognized Authority on Stock Feeding—Feeds and Feeding."

Name.....
Town.....
R. F. D.....State.....

FEED MEAL COSTS LITTLE, EARNS MUCH



Sale of High-Class, Pure-Bred Registered HOLSTEINS

State and Federal Accredited Herd, Two Years
APRIL 15, 1926, AT 1:00 P. M. FAST TIME
Twenty Cows and Bred Heifers

Including 3 daughters of a 23,000 lb. milk and 895 lb. butter cow. All 3 daughters have over 15,000 lb. milk and 825 lb. butter. A cow with 13,767 lb. milk and 534 lb. butter in 305 days O. C. 208 days and 2 of her daughters. A cow with 12,604 lb. milk and 517 lb. butter as Sr. 2 year old with second calf. The rest of them daughters and granddaughters of these cows. 6 choice young bulls from long-time record dams. 1 old enough for heavy service. His dam as a Sr. 8 yr. old in Class B. in 305 days, 12,596 lb. milk and 610 lb. butter. O. C. 236 days. 2. Bull born September 2, 1925. Dam has a year record of 15,328.6 lb. milk 715.125 lb. butter. Sired by son of a 32-lb., 4 yr. old.

Catalog April 1—For Further Particulars Address

VERNON E. CLOUGH

Located 11 Miles
North-West of Jackson on
Springport Road

R. 2, PARMA,
MICHIGAN

The milking machine has made work more independent of hired men. Since he has installed a milker he can do all the work himself in case the hired man quits suddenly.

Mrs. Clark is just as enthusiastic with regard to the milking machine. She says there is no more work for her in connection with washing and caring for the parts of the milker than there was formerly with hand milking. "Best of all" she says, "it has relieved the early hours and the late hours of milking that formerly caused a feeling of dread in connection with our dairy work. Now the milking is just one of the regular jobs."

The Clark machine is operated from a three-horsepower gas engine, which also pumps water for the farm tanks at the same time. Formerly a smaller engine was used. This was one and one-half horsepower. This did very well, but Mrs. Clark needed a small engine for her washer, so the change was made.

The cost of operations is small. The repair bills are no great item of expense. As a labor-saver the Clarks consider it to be a very profitable machine. The result of eight years of experience leads them to say "We wouldn't want to run a dairy without it."—Dairy Farmer.

SESSION MIGHT HAVE BEEN WORSE

(Continued from Page 3)

The Legislature enacted Senator Herrick's bill authorizing supervisors to receive \$5.00 instead of \$4.00 a day while they are in session. In the past, supervisors have been allowed \$5.00 per day for other services, but have been restricted to \$4.00 a day while attending sessions of the board.

The House defeated Senator Brower's bill, backed by the administration, which would have appropriated \$200,000 for a women's prison at Okemos.

In all, a score of bills were enacted at this, the fifth special legislative session held during the administration of Governor Groesbeck. The cost of these sessions is about \$25,000 each.

COMMERCIAL FERTILIZERS

(Continued from Page 11)

should be in line with the needs of your soil rather than some special brand, trade mark or pet notion. As all the brands of fertilizer manufactured are merely carriers of plant food in different proportions, it doesn't matter what the name is so long as we are getting proper plant food.

Commercial fertilizer was not thought of in our grandfather's day because he was selling the fertility of his farm a little or nothing. Now then comes the time when we need plant food in these soils and fertilizer is one of the ways we can get it but this fact remains that the fertilizer we use costs us a certain labor and the fertility of our soils on a market made by the buyer regardless of whether we see the back of our necks or not. The farmer is the only "boob" doing this stunt today and how long he will continue in this act of benevolence remains to be seen. So far he has been the only "sucker" to sell below cost and still have the reputation of having made money.

CANCER—FREE BOOK SENT ON REQUEST

Tells cause of cancer and what to do for pain, bleeding odor, etc. Write for it today, mentioning this paper. Address Indianapolis Cancer Hospital, Indianapolis, Ind.—(Adv.)

PUBLIC SALE OF SHROPSHIRE THURSDAY, MARCH 18, 1926

Having sold my farm will sell 50 bred ewes well-wooled, and good quality. 26 ewe lambs, 16 ram lambs, one extra good stock ram. This flock is sired by imported rams and are good Shropshire type, all registered. A good opportunity for Boys' and Girls' Sheep Clubs. Also 5 good heavy horses, O. I. C. hogs and full line of farm implements.

Sheep Sale at 2:00 P. M. Farm 4½ Miles South-East of Howell
W. B. MCQUILLAN, HOWELL, MICH.

BREEDERS' DIRECTORY

Ads under this heading 30c per agate line for 4 lines or more. \$1.00 per insertion for 3 lines or less.

CLAIM YOUR SALE DATE

To avoid conflicting dates we will without cost, list the date of any live stock sale in Michigan. If you are considering a sale advise us at once and we will claim the date for you. Address Live Stock Editor, M. B. F., Mt. Clemens.

March 18.—Shropshires, W. B. McQuillan, Howell, Mich.
March 19.—Guernseys, James Lewis, Eaton Rapids, Mich.
March 24.—Holsteins and O. I. C., George McKay, Hersey, Mich.
April 15.—Holsteins, Vernon E. Clough, Parma, Michigan.

MICHIGAN'S PURE-BRED LIVESTOCK AUCTIONEER

Write or wire for terms and dates.
G. P. PHILLIPS, Bellevue, Michigan.

CATTLE

GUERNSEYS

MAY—GUERNSEYS—ROSE

STATE AND FEDERAL ACCREDITED
Bull calves out of Dams up to 877 pounds fat. Sired by Bulls whose Dams have up to 1011 pounds fat. The homes of bulls: Shuttleworth May Rose Sequel, Jumbo of Briarbank and Holbecks Golden Knight of Nordland. From Dams producing 1011.18 fat, 772 fat and 810 fat.
GEORGE L. BURROWS or GEORGE J. HICKS, Saginaw, W. S., Michigan.

FARM AUCTION MARCH 19, 1926. 13 HEAD Guernseys C. T. A. 8 registered cows. One proven sire. 6 registered Percherons. 2 year old Stud. 30 sheep. Tools for 120 acres.
JAMES LEWIS, Eaton Rapids, Mich.

PRACTICALLY PURE BRED GUERNSEY heifer calves. 8 weeks old \$20 each. We ship C. O. D. Order or write
L. TERWILLIGER, Rt. 1, Wauwatosa, Wis.

PRACTICALLY PURE BRED GUERNSEY DAIRY calves, \$20.00 each. Shipped C.O.D. Satisfaction guaranteed. L. SHIPWAY, Whitewater, Wis.

GUERNSEY OR HOLSTEIN DAIRY CALVES. \$20.00 each, shipped anywhere.
EDGEWOOD FARMS, Whitewater, Wisconsin.

SHORTHORNS

SHORTHORNS: BULLS AND FEMALES from the best families. We are for the next sixty days making a special price on bred heifers. One of the leading herds in the country. Over 100 head to select from. Write to Manager.
GOTTFREDSON FARMS, Ypsilanti, Michigan.

MILKING TYPE SHORTHORNS, OF THE BEST of breeding with milking ability. Some choice heifers both open and bred.
T. I. MARTIN, Ionia, Michigan.

HEREFORDS

Hereford Steers

88 Wt. Around 800 lbs. 80 Wt. Around 750 lbs.
82 Wt. Around 650 lbs. 44 Wt. Around 600 lbs.
94 Wt. Around 525 lbs. 50 Wt. Around 450 lbs.
Good quality, dark reds, dehorned well marked Hereford steers. Good stocker order. The beef type are usually market toppers when finished. Will sell your choice from any bunch.
V. V. BALDWIN, Eldon, Wapello Co. Iowa.

HEREFORDS—OLDEST HERD IN U.S.
We have some good bulls for sale. Farmers prices.
GRAPF FARMS, Swartz Creek, Mich.

JERSEYS

REG. JERSEYS, POGIS 99th OF H. F. AND Majesty breeding. Young stock for sale. Herd fully accredited by State and Federal Government. Write or visit for prices and description.
GUY C. WILBUR, Belding, Mich.

FOR SALE—REGISTERED JERSEY BULL calves from high producing dams.
J. E. MORRIS, Farmington, Michigan.

SWINE

POLAND CHINA

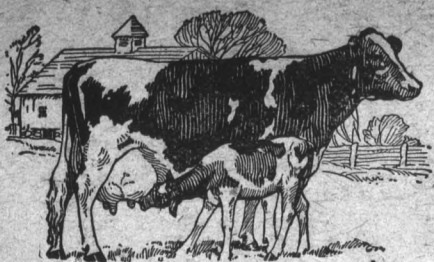
REG. B. T. POLAND CHINA FOR SALE. Tried sows and gilts. Farmers prices. Write.
ALBERT COLLISON, Coleman, Michigan.

POLAND CHINA GILTS, OUTSTANDING, BRED for Spring farrow. Cholera immune. Registered free.
WESLEY HILE, Ionia, Michigan.

POULTRY

FERRIS WHITE PULLETS LEHIGH
Thousands now at low prices. Trapped, COCKERELS pedigree. Egg content winners for years. Pay 1¢ after you see them. Complete satisfaction guaranteed. Write today for special sale bulletin and big free catalog.
GEO. B. FERRIS, 342 Union, Grand Rapids, Mich. EGGS

White Wyandottes—Hatching Eggs From Choice breeders. Selective breeding practiced. Quality my motto. Fred Berlin, Allen, Michigan.



At Calving Cows need help

From A. J. Olson, Barnum, Wisconsin
Jan. 9, 1925

"I have been feeding Kow-Kare to put my cows in good condition for calving. I find Kow-Kare a wonderful remedy for this. It also increases the milk flow. It is the only remedy I look for, for cow ailments and I always aim to feed it about two weeks before freshening."

No wonder so many cows have serious trouble at calf birth. Housed in during the long winter months, little opportunity to exercise, dry, hard-to-digest winter foods—how could they be expected to have the extra vitality a cow ought to have as she approaches the severe strain of calving.

Thousands of dairymen have learned the value of special assistance at this critical time. They have found that by giving a tablespoonful of Kow-Kare with the feed two weeks before and after calving, the cow freshens without trouble of any sort and produces a vigorous calf.

Kow-Kare has saved hundreds of dollars for many cow owners at calving time. For over thirty years dairymen have used this famous medicine for treating cow troubles and for increasing milk-flow.

Our free book, "The Home Cow Doctor" tells the important part Kow-Kare plays in the treatment of Barrenness, Retained Afterbirth, Abortion, Scours, Bunches, Milk Fever, etc. Write for your copy.

Kow-Kare is sold by feed stores, general stores and druggists—or we send it by mail, postpaid. \$1.25 and 65c sizes. Order a can today.

Dairy Association Co., Inc.
Dept. 12 Lyndonville, Vt.

Bag Balm
10-ounce
can, 60c

An all medicine
invigorator
that
works wonders
with
COWS



1 year to pay
easy monthly payments
American

SEPARATOR
FREIGHT PAID BOTH WAYS
IF RETURNED

You don't have to take our word. For 30 days, try any size—from the small, 1-cow separator, to large 850 lb. capacity. Test it. Compare it. When you find it the best separator, for the least money, you ever saw or used, you may pay balance in cash or easy monthly payments. The American is sold only direct at

FACTORY PRICES

You get a separator that turns easily, gets all the cream, is sanitary and easy to clean. Prices as low as \$24.95. Installment as little as \$2.15 a month.

Shipping points near you insure prompt delivery.

Send for CATALOG

Don't fail to get our fully illustrated catalog first. See our very low prices, guarantee, extremely easy terms. Absolute fair dealing. Write today.

American Separator Co.
Box 26-K, Bainbridge, N. Y.
Dept. 26-K, 1929 W. 43rd St.
CHICAGO, ILL.



VETERINARY DEPARTMENT

Edited by DR. GEO. H. CONN

(Questions gladly answered free for paid-up subscribers. You receive a personal letter.)

GARGET

We have two cows that have chunks in their milk. Some call it garget. We believe they are getting worse instead of better. We are feeding, shredded corn stalks, bean pods, ground corn and ground oats. Give plenty of salt, and some one said give a few pails of chopped potatoes. We did that. One should be dry but we are having quite a time to dry her up. The other should give milk a month or more yet.—J. B., Davison, Michigan.

YES, such lumps are usually garget and the best thing to do is to dry the cows up and give them a long rest before they freshen; the best preventative is the use of balanced ration; improper feeding causes most of this; your ration lacks in protein and does not have a suitable roughage; if you had alfalfa or clover hay it would help. Give them two or two and one-half months rest before they freshen and possibly this will bring about recovery.

PIN WORMS

I have a ten year old horse and every time the bowels move there are whit strings and I was told they are pin worms. If they are will you please give me a cure for them, and also how serious are they? Can you also give me a cure for the bot worm that lies in the stomach?—A. H., Baroda, Michigan.

PIN worms do very little damage to a horse and bots do not do any; practically every horse has them and does not suffer and inconvenience from them. Many people used to think bots hurt horses, but we know better now.

If you want to worm your horse there is nothing better than 1/2 ounce of oil of chenopodium in 1 quart of raw linseed oil; this should be given after the horse has missed a couple of feeds; this will remove all sorts of worms that horses are afflicted with; you can get this from your druggist.

SOW WEAK IN HIND LEGS

I have a sow eight months old which seems to be weak in the hind legs. Can hardly get on her feet. She is in good condition, but not over fat. Some say it is rheumatism. She eats good. Can you tell me what to do?—E. M. R., Avoca, Michigan.

IT is not rheumatism that ails your sow, it is the lack of bone building materials. Her bones are soft and this causes pain, the result is she does not want to stand on her feet. Give her bone meal and tankage along with some clover or alfalfa and you will likely get rid of this. One-half pound of tankage each day in which 15 pounds of bone meal has been mixed in 100 pounds should help this animal.

DOG HAS MANGE

I would like to know what is the matter with our dog. It has a little puppy and it itches. Its body is all red and she scratches herself. We think it is lice.—Mrs. J. T., Route 1, Caro, Michigan.

YOUR dog no doubt has mange; and one of the worst forms at that. You should get some of Glovers' Mange remedy and use it according to directions. People can contract this disease from animals. If you find that you have contracted it you should see your doctor at once.

What She Wanted

Customer: Have you any collanders?
Clerk: Yes, we have them in enamel.
What size did you want?
Customer: I mean one with the months on it, like I had last year!"

Word Picture

Professor: Give me a sentence with the word "boycott" in it.
Pupil: Farmer Jones chased his son and didn't catch him till his boycott on a wire fence.

Adjusted

Little Girl: That raisin bread you gave me had a fly in it.
Grocer: Well, bring back the fly and we'll give you another raisin.



You would fire him quick!

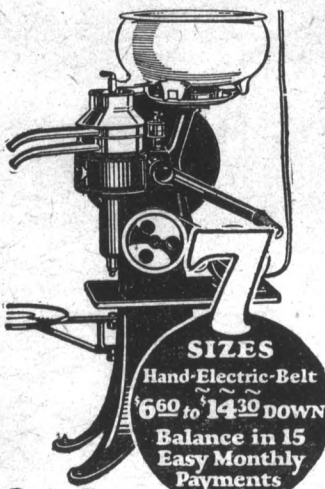
If you had a hired man who did this to your cream you would fire him quick. Yet your cream separator may be doing the same thing and you don't realize it. You can easily tell, without a cent of cost, whether your old separator is robbing you or not. Ask your De Laval Agent to bring out a new De Laval and try this simple test:

After separating with your old separator, wash its bowl and tinware in the skim-milk. Hold the skim-milk at normal room temperature and run it through a new De Laval. Have the cream thus recovered weighed and tested; then you can tell exactly if your old machine is wasting cream, and what a new De Laval will save.

Thousands have tried this plan and many have found a new De Laval would increase their cream money from \$25 to \$200 a year.

The new De Laval is the best separator made in 48 years of De Laval manufacture and leadership. It has the wonderful "floating bowl"—the greatest separator improvement in 25 years. It is guaranteed to skim cleaner. It also runs easier and lasts longer.

Send coupon for name
of De Laval Agent and
FREE catalog.



SEE and TRY the New
De Laval
TRADE in your old Separator

The De Laval Milker

If you milk five or more cows, a De Laval Milker will soon pay for itself. More than 35,000 in use giving wonderful satisfaction. Send for complete information.

See Your
De Laval
Agent



THE DE LAVAL SEPARATOR COMPANY, Dept. 4546
New York, 155 Broadway Chicago, 600 Jackson Boulevard
San Francisco, 61 Beale Street
Send catalog checked — Separator ☐ Milker ☐
Name _____ Town _____ State _____ No. Cows _____

POWER MILKER \$35

Complete READY TO MILK WHEN YOU GET IT
Send for sensational offer! Milk 18 to 40 cows an hour—easy. Costs nothing to install. Easy to clean. Milks the human way—easy on the cows. 30 Days Trial—10 Year Guarantee—Cash or Easy Terms—a year to pay. Write for FREE BOOK, "How to Judge Milkers". Get yours now!
Ottawa Mfg. Co. 5011 White Street, Ottawa, Kansas
Box 5011 Magee Bldg., Pittsburgh, Pa.



SUDAN \$1.90 BUSHEL

Alfalfa \$7.00; Sweet Clover \$5.00; Cane-seed \$1.25; Millet \$1.50; Blue Grass \$4.00; Special prices on Alsike, Timothy, Red Clover, Redtop, etc. Write for samples and latest prices. Satisfaction or money back.

MEIER GRAIN CO., Salina, Kansas



No Splints or Spavins here!

THERE'S no excuse for either. They disappear quickly with the application of Gombault's Caustic Balsam.

This 42 year old standard remedy is unexcelled for practically all lameness to which a horse is liable. You can apply it yourself simply by following directions that come with bottle. It positively leaves no scar or blemish.

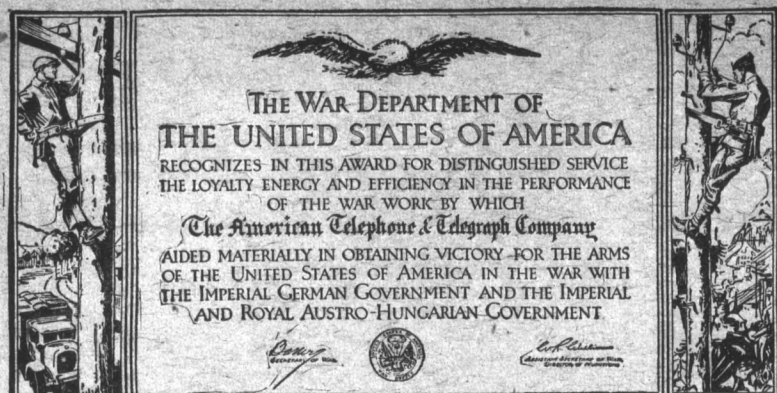
Don't let your horses suffer from strains, sore, swollen tendons or

lameness of any kind. Horses are too valuable. Their work means too much to you to let them get out of condition. Get them fit—keep them fit with Gombault's Caustic Balsam. \$2.00 from your druggist or direct from us on receipt of price.

The Lawrence-Williams Co.
Cleveland, Ohio

GOOD FOR HUMANS, TOO

COMBAULT'S
Caustic
BALSAM



Telephone Preparedness

NINE years ago, when this nation was preparing for war, it found the Bell Telephone System ready for service at home and abroad. The war found the Bell System prepared. From its technical forces so needful to meet our war-time activities in this country, fourteen battalions were organized to carry to the front the highest developments of the telephone art. No other nation had so complete a system of communication to aid in mobilizing its resources. No other nation was able to put into the field a military communication system of equal effectiveness.

Fifty years ago Alexander Graham Bell, the inventor of the telephone, gave to the world a new art. He had the

vision of a nation-wide telephone system by which people near at hand and far apart could talk to one another as if face to face. He foresaw a usefulness for the telephone which could not be achieved without innumerable developments, inventions and improvements, to him unknown. But not even he foresaw the marvelous application of telephony which gave to the American armies that fighting efficiency which is possible only when there is instant exchange of complete information.

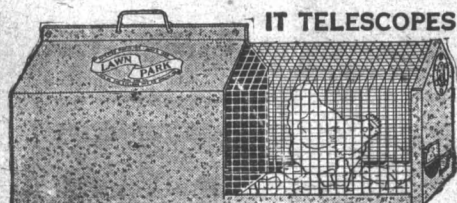
Since the completion of its service in time of war, the Bell System has devoted itself to the extension of the telephone art as one of the great agencies for the development of the pursuits of peace.

AMERICAN TELEPHONE AND TELEGRAPH COMPANY
AND ASSOCIATED COMPANIES

BELL SYSTEM



IN ITS SEMI-CENTENNIAL YEAR THE BELL SYSTEM LOOKS FORWARD TO CONTINUED PROGRESS IN TELEPHONE COMMUNICATION



IT TELESCOPES "LAWN PARK" COOP

Saves Your Chicks.
The wire park which pulls out like a drawer, gives hen and chicks fresh grass, air and sunshine during the day; closes at night and in storms. This coop meets every demand; portable with removable floor for easy cleaning; roomy; light; durable; sanitary. **PROOF AGAINST HAWKS, RATS, WEASELS, etc.** Made of galvanized metal; repels vermin. Size, open 18 in. x 24 in. x 48 in. Pays for itself in chicks and labor saved. Turn work into pleasure and profit.

Ask for Poultry Supply Catalog.
THE CYCLONE MANUFACTURING CO.
DEPT. 100 URBANA, INDIANA



PURE BRED WHITE LEGHORNS
Chicks from strong, rugged breeders carefully selected for egg production. Blood lines of world famous strains. \$12.50 per 100 Or-land State Bank.
VILLAGE VIEW POULTRY FARM
Zeeland, Michigan.

R. 3, Box 20.

LOOK!

Free chicks with advanced orders. 15 varieties 9c up. Every hen tested for production and standard qualities. Get our free circular.
LAWRENCE HATCHERY, R7, Grand Rapids, Mich

ECZEMA CAN BE CURED Free Proof To You

All I want is your name and address so I can send you a free trial treatment. I want you just to try this treatment—that's all—just try it. That's my only argument.

I've been in the Retail Drug Business for 20 years. I served four years as a member of the Indiana State Board of Pharmacy and five years as President of the Retail Druggists' Association. Nearly everyone in Fort Wayne knows me and knows about my successful treatment. Over **Thirty-Five Thousand** Men, Women and Children outside of Fort Wayne, have, according to their own statements, been cured by this treatment since I first made this offer public.

If you have **Eczema, Itch, Salt Rheum, Tetter**—never mind how bad—my treatment has cured the worst cases I ever saw—**give me a chance to prove my claim.** Send me your name and address on the coupon below and get the trial treatment I want to send you **FREE.** The wonders accomplished in your own case will be **proof.**

CUT AND MAIL TODAY

J. C. HUTZELL, Druggist, No. 5023 West Main St., Fort Wayne, Ind.
Please send without cost or obligation to me your Free Proof Treatment

Name _____ Age _____
Post Office _____ State _____
Street and No. _____



J. C. HUTZELL
DRUGGIST

WHERE COWS GET THE NEEDED MINERALS

MILK cows get most of their minerals from the high protein concentrates as well as from legum roughage. Feeds such as oil-meal, cotton-seed meal, alfalfa and clover hay provide goodly quantities of minerals. Corn and such feeds are very low in minerals and particularly calcium which explains the reason that too much corn is not desirable in the milk cows ration. A good milk cow should produce about 10,000 pounds of milk every year, and this would require, providing the cow is in calf during the milking period, a total of about 100 pounds of lime or calcium alone to say nothing of the other minerals. About thirty-five pounds for supplying the lime in her milk, and the other fifty pounds for the development of the unborn calf and for elimination, as not all of any of the inorganic minerals can be utilized. Forbes, of the Ohio Experiment Station, has found that a cow will draw on the minerals in her skeleton until her milk production falls to ten pounds per day or less. This proves conclusively that the milk cow should have a rest or dry period of from four to six weeks that she may store up in her body and skeleton ample amounts of minerals for the next lactation period.—Dr. George H. Conn.

HOW ONE OF THE "WEAKER SEXES" WORKS HER FARM

(Continued from page 4)

school work and was intending to become a rural teacher when she met and married Mr. Hausfater. After his death and since he left no will, she determined upon rural life. She did most of the work on her forty acres alone, hiring a part of the time.

She took in, on a debt owed her husband by a blacksmith, a well made one horse wagon. This was shipped to Freesoil and she used this wagon to make trips to Manistee to sell her produce.

When her crops outgrew the one horse wagon about ten years ago, she bought a Studebaker touring car and now has a Buick touring and a Ford truck, both of which she drives herself.

Her children attended the Darr school which was upon a corner of the forty she first bought. Later she sent them to the Freesoil High and then to the University.

Great Reader

Mrs. Reinsch reads every available farm paper and sends for all of the Michigan State College pamphlets on crops to keep posted upon methods. Her first farm was rather worn out, so she began building it up by growing and turning under vetch and clover. She later grew contract peas for a factory and fitted her farm, field by field, for fruit.

About five years ago she persuaded Mr. Reinsch to accompany her to East Lansing for a short winter course. Mr. Reinsch took a six week's tractor course, while she took the course in fruit growing and spraying. Two years ago she took a course in field crops and poultry.

She never keeps hired help whom she must board, as she does her own housework and cooking for herself and husband. She also does all her own canning of fruit and vegetables and most of this work is done at night after the field work is done.

When buyers do not come to the orchards, she starts out to the most likely cities and finds a market for the crops.

Busy as she is, she is never too busy to help a sick neighbor and takes an active interest in social doings and is an active member of the Parent-Teacher Association of the Darr School District where she lives.

Nineteen-twenty-four being a poor corn year and September cold, to save her corn from frost, Mrs. Reinsch hauled a row of stumps along the edge of the cornfield to keep fires whenever frost seemed imminent. By watching her thermometer she knew when to start the fires. Several times early in the fall the thermometer would go within a degree of frost and then go up again and the tired watcher could go to bed, knowing her Golden Glow Seed Corn was safe for another day. She has named her farm Golden Glow Farms.

BLUE HEN COLONY BROODERS

will do for you what they are doing for thousands of other poultrymen—raise healthier, sturdier chicks with a minimum of expense and attention.
Larger & Heavier
—yet cheaper—
a 20% extra value
Our Free '26 "Blue Hen" Book of Facts shows you why.
Write for Catalog and User-Plan.
\$21.00 500 chick capacity (delivered)
\$26.00 1000 chick capacity (delivered)
LANCASTER MFG. CO. 860 W. Janet St. Lancaster, Pa.

BOWERS Colony Brooder

Save \$5 to \$8—Factory Prices
This brooder raises more and better chicks at lowest cost. Stove is sturdy, safe, air-tight, self-regulating—best in world to hold fire. Burns soft coal better than any other brooder. Also burns hard coal, wood, etc. Automatic regulator maintains uniform heat night and day. Canopy spreads heat evenly over chicks, gives pure air. 500 and 1000 chick sizes. Backed by 8 years' success. Guaranteed. Express paid E. of Rockies. Stovepipe outfit sent FREE with brooder. Lowest price. Write us TODAY.
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103-DEGREE Incubator

Free Trial for one hatch
The better-built incubator that sells itself on actual performance. Patented Two-Circuit, Hot Water Heating System and Tilting Chimney—world's two greatest incubator improvements. Temperature, ventilation and moisture just right day and night without constant watching.
More and better chicks
Money-Back Guarantee. Write today for beautiful free book and liberal FREE Trial Offer.
103-Degree Incubator Co. Box 40 Crown Point, Ind.

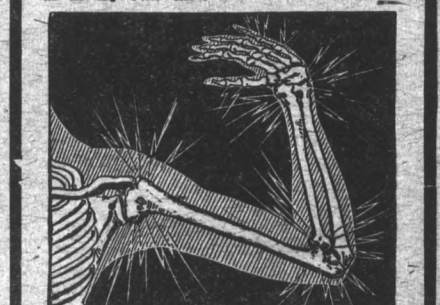
Happy Foxes

Hickory Grove FOX RANCH is ideally situated on the crest of a hill. Here, under supervision of experts, are produced in highest type the world-famous **SILVER FOXES**. By careful selection and scientific mating, we are able to produce this most valuable fur bearing animal nearest to nature's requirements. True to type, meeting in every way standard requirements. If you want something good, write us. Members American National and Wisconsin Fox Breeders' Associations. Circular Free. **O. W. McCARTY, Prop. 125 Commerce St. Chilton, Wis.**

Rheumatism

A Remarkable Home Treatment Given by One Who Had It

In the year of 1893 I was attacked by Muscular and Sub-acute Rheumatism. I suffered as only those who are thus afflicted know for over three years. I tried remedy after remedy, but such relief as I obtained was only temporary. Finally, I found a treatment that cured me completely and such a pitiful condition has never returned. I have given it to a number who were terribly afflicted; even bedridden, some of them seventy to eighty years old, and the results were the same as in my own case.



"I Had Sharp Pains Like Lightning Flashes Shooting Through My Joints."

I want every sufferer from any form of muscular and sub-acute (swelling at the joints) rheumatism, to try the great value of my improved "Home Treatment" for its remarkable healing power. Don't send a cent; simply mail your name and address, and I will send it free to try. After you have used it, and it has proven itself to be that long-looked-for means of getting rid of such forms of rheumatism, you may send the price of it, One Dollar, but understand I do not want your money unless you are perfectly satisfied to send it. Isn't that fair? Why suffer, any longer, when relief is thus offered you free. Don't delay. Write today.

Mark H. Jackson, 86-M Durston Bldg., Syracuse, N. Y.

Mr. Jackson is responsible, above statement true.

White Diarrhea

Glendid Success of Mrs. Ethel Rhoades in Preventing White Diarrhea

Mrs. Rhoades' letter will no doubt of utmost interest to poultry users who have had serious losses from White Diarrhea. We will let Mrs. Rhoades tell it in her own words:

"Dear Sir: I see reports of so many losing their little chicks with White Diarrhea, so thought I would share my experience. My first incubated chicks when but few days old, began to die by the dozens with White Diarrhea. I tried different medicines and was about discouraged with the chicken business. Finally sent to the Walker Remedy Co., Dept. 522, Waterloo, Ia., for a \$1.00 box of their Walko White Diarrhea Remedy. It's just the only thing for this terrible disease. We raised 10 thrifty, healthy chicks and never lost a single chick after the first dose."—Mrs. Ethel Rhoades, Shenandoah, Iowa.

Cause of White Diarrhea

White Diarrhea (Coccidiosis) is caused by a protozoal organism of microscopic size which multiplies with great rapidity in the intestines of diseased birds and enormous numbers are discharged with the droppings. Readers are warned to beware of White Diarrhea. Don't let it kill half your chicks. Take the time to prevent it. Remember, it is not a hatch without some infected chicks. Don't let these few infect your entire flock. Prevent it. Give Walko in all drinking water for the first two weeks and you won't lose a chick where you lost hundreds before. These facts prove it.

Never Lost a Single Chick

Mrs. L. L. Tam, Burnetts Creek, Ia., writes: "I have lost my share of chicks from White Diarrhea. Finally I sent for two packages of Walko. I raised over 500 chicks and I never lost a single chick from White Diarrhea. Walko not only prevents White Diarrhea, but it gives the chicks strength and vigor; they develop quicker and feather earlier."

Never Lost One After First Dose

Mrs. C. M. Bradshaw writes: "I tried to lose a great many chicks from White Diarrhea, tried many medicines and was about discouraged. As a last resort I sent to the Walker Remedy Co., Dept. 522, Waterloo, Iowa, for their Walko White Diarrhea Remedy. I used two 50c packages, and 300 White Wyandottes and never lost one. Had one sick after giving the medicine and my chicks are larger and healthier than ever before. Have found this company thoroughly reliable. I always get the remedy by return mail."—C. M. Bradshaw, Beaconsfield, Iowa.

You Run No Risk

We will send Walko White Diarrhea Remedy entirely at our risk—stage prepaid—so you can see for yourself what a wonder-working remedy it is for White Diarrhea in your chicks. So you can prove—as thousands have proven—that it will stop your losses and double, treble, even quadruple your profits. Send for package of Walko (or \$1.00 for extra box)—give it in all drinking water and see results. You'll find you won't lose one chick where you lost dozens before. It's a positive fact. You run no risk. We guarantee to refund your money promptly if you don't find the greatest little chick saver you ever used. The Leavitt & Johnson National Bank, the oldest and strongest bank in Waterloo, Iowa, stands back our guarantee.

Walker Remedy Co., Dept. 522, Waterloo, Iowa

MR. POULTRY SHIPPER

The Detroit market is the best outlet for your poultry. Our large clientele, our reputation for fair dealings, and our ability to get the highest prices for you make us the logical house to receive your shipments. Your returns for live poultry mailed to you same day shipment is received. Your coops returned promptly. Shipping tags and our weekly market report on request.

J. W. KEYS COMMISSION CO., Inc.,
Riopelle and Winder Sts.
Detroit, Michigan

References:
Wayne County & Home Savings Bank
R. G. Dunn and Bradstreet
Any live poultry shipper in Michigan

Poultry Department

FEEDING OF BABY CHICKS

By D. E. Spotts

(Editor's Note: This is the third article of a series on hatching and raising baby chicks by Mr. D. E. Spotts appearing in our columns.)

THERE are hardly two persons agreed on details in connection with feeding. The principles of feeding are, however, the same, even though different methods are practiced. Chicks do not require anything to eat for the first 48 to 72 hours. Nature has provided enough food for them up to this time in the form of the yolk of the egg which is taken up by the chick the last day within the shell. During the three or four days in which the yolk is being absorbed the other organs of the chick are crowded into very much smaller spaces. It is during this time that it is extremely important that the chick should not have food. As the yolk is absorbed, the crop, stomach, gizzard, and intestines gradually work into their proper positions and reach normal size. After this period of absorption a great deal depends upon the selection of food. It should contain elements found in egg material to grow strong muscles, fat, bone, and feathers, and vitamins to insure growth and health.

If the chicks are fed too soon and the yolks are not properly absorbed, or if they are overfed, fermentation takes place, bacterial action is set up, and the mortality rate is high. The external indications of this condition is a pronounced diarrhea of varying color, but usually is a grayish white. A post mortem examination will show the yolk sac to be nearly its original size and filled with a watery yolk mass. In order to overcome this trouble and reduce the death rate during the first seven to 10 days in the chick's life, a person should study each lot and make such slight variations in the quantity of food as may be necessary.

A ration for the chick should include protein, fats, carbohydrates, minerals, water, and vitamins. The animal sources of protein in feeds are buttermilk or skimmed milk, dried buttermilk, or semi-solid buttermilk, meat scraps, and tankage. The chief vegetable sources are oil meal, soy-bean meal, gluten feed, and cotton seed meal. The animal sources are more generally used because they are thought to be better than those from plants. However, if the chicks themselves are allowed free range, they generally provide enough protein for themselves in the form of bugs, worms, grasses, etc.

Carbohydrates and fats are supplied through the grains such as corn, wheat, oats, and are needed to supply fat, heat, and energy. The minerals such as phosphorus, calcium, and sodium are necessary for the formation of feathers and for the proper absorption of food by the blood. Phosphorus may be obtained from bone, and acid phosphate. Calcium may be obtained from limestone, oystershell, or pearl grit. Sodium and chlorine are found in common salt.

The first day that the chicks are in the brooder house, sour milk or buttermilk should be provided in shallow dishes. The acid in the milk has a beneficial effect on the digestive tract of the chick and the food value of the skimmed milk stimulates the chick, causing rapid growth and development of strong resisting powers. Skimmed milk should not be fed in galvanized dishes.

Third to Sixth Day. The food given should be easily seen and nutritious. The following mash can be recommended for use: bran, 50 pounds; rolled oats, 50 pounds; bone meal, 3 pounds; ground limestone, 2 pounds; fine charcoal, 2 pounds. This should be fed five times during the day, about two and one-half hours apart, feeding what the chicks will readily clean up in from 10 to 15 minutes.

Sixth to Fourteenth Day. Feed commercial chick feed, or a scratch made up as follows: equal parts of fine cracked corn, cracked wheat, pinhead oats; two feeds of scratch; three feeds of mash, and one of green food, such as sprouted oats. (Continued on page 28)

PAN-A-CE-A

prevents and relieves little-chick ailments

Indigestion, bowel troubles, leg weakness and gapes.

Pan-a-ce-a contains Nux Vomica; that promotes digestion; calls into healthy action every little-chick organ.

Pan-a-ce-a contains Quassia, which creates a healthy appetite.

Pan-a-ce-a contains laxative salts, which help the bowels carry off the trouble-making poisons.

Pan-a-ce-a contains iron to enrich the blood, so essential to chick growth.

Pan-a-ce-a supplies the minerals so necessary to chicks during that period of rapid growth, bone and feather development.

Add Pan-a-ce-a to the ration, then you'll forget all about the ailments.

Costs little to use Pan-a-ce-a

You just add 5 tablespoonfuls to each 10 pounds of mash—only 1 pound to every 50 pounds of mash.

REMEMBER—When you buy any Dr. Hess product, our responsibility does not end until you are satisfied that your investment is a profitable one. Otherwise, return the empty container to your dealer and get your money back.

DR. HESS & CLARK, Inc., Ashland, Ohio



Dr. Hess Instant Louse Killer Kills Lice

MICHIGAN STATE ACCREDITED HATCHERIES

BABY CHICKS

MICHIGAN STATE ACCREDITED



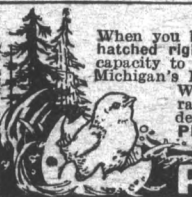
We hatch S. C. White Leghorns, Anconas and Barred Rocks. Send for descriptive circular giving full information about our high egg bred lines and why we can sell these chicks direct to you at jobbers prices.

MICHIGAN POULTRY FARM
Holland, Box B Michigan

ACCREDITED CHICKS AND EGGS

White Leghorns—Anconas. Chicks hatched from free range. Michigan State Accredited flocks. Send for our catalog and prices on chicks and eggs. We guarantee 100 per cent Live Delivery and insure chicks for one week. Satisfaction guaranteed. Write today.

M. D. WYNGARDEN, Route 4, Box 2, ZEELAND, MICH.



"MICHIGAN'S BEST" BABY CHICKS
When you buy Pine Bay Chicks you get chicks that are first of all bred right and secondly, hatched right. We have been in the business since 1904. Yearly we have increased our capacity to take care of our needs. Our stock has demonstrated its claim to a place among Michigan's Best. Black Minorcas, S. C. White Leghorns, S. C. Mottled Anconas, raised. Parent stock reared in Michigan climate is healthy and hardy. Send for free descriptive catalog and price list. 100% Live delivery guaranteed. Parcel Post paid.
PINE BAY POULTRY FARM, Box 1-A HOLLAND, MICHIGAN.

PINE BAY POULTRY FARM

BABY CHICKS that LIVE and LAY

FROM MICHIGAN STATE ACCREDITED FLOCKS
Our careful selection and breeding, combined with the close culling of the inspectors of the Michigan State Poultry Improvement Association and the Michigan State College places our birds in the front rank of the high egg line, production bred Accredited flocks.
WE HATCH WHITE AND BROWN LEGHORNS AND ANCONAS.
Send at once for copy of our new 1926 Catalog fully describing our matings and giving some interesting and valuable information on the care of Chicks and how to raise poultry for profit.
CITY LIMITS HATCHERY, Route 5, Box B, Holland, Mich.

Michigan Class A Accredited Chicks

S. C. English White and Brown Leghorns 12c; Shppard's Anconas 13c; Barred Rocks and B. I. Reds 14c; Assorted Chicks 10c. No money down. 100% live delivery. Postpaid. Catalogue free. Pay ten days before the chicks are shipped.

THE BOB HATCHERY, R2, S. Zeeland, Mich.



Leading Varieties, Mich. State Accredited
Purebred Chicks, Pullets
Circular free. Liberal discount on early orders. Member of the I. B. C. A.
Fairview Hatchery & Farms, Zeeland, Mich.
R2,--E

WHEN WRITING TO ADVERTISERS PLEASE MENTION THE BUSINESS FARMER

MICHIGAN STATE ACCREDITED HATCHERIES

1,000,000 BABION'S QUALITY CHICKS



35 VARIETIES. STATE ACCREDITED. FOR 1926. Breeders of Highest egg producing strains in all leading varieties. 100% Live Delivery Guaranteed.

	Postpaid prices	25	50	100	500	1000
English White & S. & R. C. Brown Leghorns	\$3.75	\$7.00	\$13.00	\$62.00	\$120.00	
Buff and Black Leghorns	4.25	8.00	15.00	72.00	140.00	
Barred & White Rocks, R. I. Reds	4.25	8.00	15.00	72.00	140.00	
Black Minorcas, Mottled Anconas	4.50	8.75	17.00	82.00	160.00	
White Wyandottes, Buff Rocks						
Mixed all Heavies, \$12.00 per 100. Light Mixed, \$10.00 per 100. Ducklings, White Pekins, White & Fawn Runners, 25, \$7.50; 50, \$15.00; 100, \$30.00. Please remember Quality goes ahead of price. Consider this when you place your order. No C. O. D. orders shipped. 10% will book your order. BANK REFERENCES. You cannot go wrong in ordering from this ad direct. CHICKS hatched from TRAPNESTED LAYERS. 8c per Chick higher than above prices. CHICKS hatched from BLUE RIBBON PENS, 5c per Chick higher. Write at once to-day.						

BABION'S FRUIT & POULTRY FARMS, Box 51, Flint, Mich.

Reliable Chicks Make Reliable Layers

BARRON WHITE LEGHORNS—ANCONAS—WHITE WYANDOTTES

ALL FLOCKS MICH. STATE ACCREDITED

This year's matings include 1st pen Production Class White Leghorns, Western Michigan State Fair 1st. Pen Production class Anconas and 1st and 2nd pens Production Class White Wyandottes at Holland Community Fair.

Care in Selection, Culling, Breeding and the introduction of high bloodlines from other high record stock have made possible this year's finest breeding stock we have ever had. Reliable Chicks Live, Lay and produce Egg Profits.

Send Now For **FREE COPY**, Our 1926 Catalog. R. 1, Box 41, ZEELAND, MICHIGAN.

Step Up Your Egg Production With RIVERVIEW WHITE LEGHORN CHICKS

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Every bird in our flocks is production bred, range fed, strong, healthy and full of vitality. Send for our new catalog, describing our matings, and showing why hundreds of customers buy Riverview Chicks each year. Copy **FREE**. Farm and Hatchery on M-51 One Mile West of Zeeland.

RIVERVIEW POULTRY FARM, Box B, ZEELAND, MICH.

MICHIGAN STATE CERTIFIED CHICKS

FROM PEDIGREED, BLOOD TESTED, TRAPNESTED S. C. WHITE LEGHORNS.

Every bird in our flocks is Michigan State CERTIFIED, a step higher in the scale of good chicks than is accredited stock. Write at once for your copy of the "Story of Sunrise Farm." Describes in detail our better flocks and chicks, and how you can make a big success with poultry. Copy **FREE**.

W. S. HANNAH & SON, SUNRISE FARM

GRAND RAPIDS, MICHIGAN

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BUY EGG-BRED ACCREDITED CHICKS

OF PROVEN STRAINS FROM A PROVEN BREEDER

Producer of Egg Contest and Chicago Winners in EGG-BASKET BUFF and PROFIT-PAYER WHITE LEGHORNS. Pure Tancred, Tom Barron, Ferris Strains. Chicks and eggs sired by blood of Heasley's Pride, official record 293 eggs. Contest Pen of 11 averaged 240 eggs. Old customers getting this blood and getting results. Rush orders for present discounts.

DR. L. E. HEASLEY, Dept. B, GRAND RAPIDS, MICHIGAN.

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PLAY SAFE Buy only from ACCREDITED FARMS. Our flocks are inspected and culled by authorized inspectors and approved by M. S. P. I. A. Chicks from heavy laying strains only. **HILLCROFT FARM** is not simply a Hatchery, but a Breeding Farm and when Better Chicks are to be hatched, we will hatch them.

100% Live Delivery Guaranteed—Prepaid prices

	25	50	100	500	1000
Tancred Strain S. C. White Leghorns	\$4.00	\$7.50	\$14.00	\$67.00	\$120.00
Laying Strains Barred Rocks, S. C. Reds	4.50	8.50	16.00	77.00	140.00
Laying Strains White Rocks and Wyandottes	5.00	9.00	17.00	82.00	150.00

Order right from this ad with full confidence. Bank Reference or Dun Mercantile Agency. Send at once for "TRUTHFUL" CATALOG. **HILLCROFT FARM, Dept. 52, COOPERSVILLE, MICH.**

BIG HUSKY CHICKS

FROM STATE ACCREDITED FLOCKS

EXCLUSIVELY. Strong, Healthy Chicks from these selected flocks. Inspected and Culled by expert State Inspectors. Carefully selected for heavy laying abilities. **ENGLISH, BARRON and TANCREED STRAIN WHITE LEGHORNS, S. C. BROWN LEGHORNS, SHEPPARD ANCONAS, BARRED ROCKS, RHODE ISLAND REDS and ASSORTED MIXED CHICKS.** Postpaid and Full Live Delivery Guaranteed. Bank Reference. Write me at once for Circular and full price particulars. **WINSTROM HATCHERY, Albert Winstrom, Prop., Box C-5, Zeeland, Mich.**

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Varities

	Prices On: 25	50	100	500	1000
White Leghorns (Tancred)	\$3.75	\$7.00	\$13.00	\$62.00	\$120.00
Barred Rocks (Parks strain)	4.25	8.00	15.00	72.00	140.00
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Special Matings Higher. Mixed Chicks \$10.00 per 100. All heavies \$12.00. Free catalog tells all about Lakeview Chicks. Write today. **LAKEVIEW POULTRY FARM, R. R. 8, Box 3, HOLLAND, MICHIGAN**

UNDERMAN CHICKS

"OUR CHICKS ARE MICHIGAN STATE ACCREDITED." Chicks that are hatched from free range breeders carefully selected. Our flocks and hatchery inspected and passed by representative of Michigan State College. Refer you to State Commercial Savings Bank. Order from this ad.

Prepaid prices on—

	25	50	100	500	1000
S. C. W. and Br. Leghorns	\$4.00	\$7.00	\$13.00	\$62.50	\$120.00
Ed. Rocks and S. C. R. I. Reds	4.75	8.00	15.00	72.50	140.00

Mixed Chicks \$10.00 per hundred. 10% down books your order. Free catalog. 100% Live delivery prepaid. **HUNDERMAN BROS. R. R. No. 3, Box 55, ZEELAND, MICH.**



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BECKMANN HATCHERY, 26 E. Lyon, Grand Rapids, Mich.

is advisable. During this period gradually lengthen the time of mashes, so that you may have the flock eating from self-feeders by the 14th day.

Fourteenth Day to 10 Weeks. If quicker gains are desirable, and especially if the birds are being prepared for the broiler market, the following scratch and mash feed is recommended: 80 parts yellow corn meal, 20 parts middlings, 10 parts dried buttermilk, 5 parts calcium carbonate, 5 parts of raw bone meal, 1/2 pound salt. Scratch feed—50 parts cracked corn, 25 parts pinhead oats, 25 parts cracked wheat, 1 pound cod-liver oil. If the chicks are to be retained in the brooder house, or if they are not in a place where they can receive direct sunlight, mix 1 pint or 1 pound of cod-liver oil with 25 pounds of scratch feed. In buying cod-liver oil be sure to buy only that which has been tested for vitamine D. Vitamine D is the factor which regulates the retention of calcium. It is the calcium which aids in making bone of the chick, thus, if the calcium is not retained, serious loss from leg weakness will result.

CROWDING

I have lost several pullets from egg disorders such as eversion of oviduct; also find lots of eggs covered with blood. What can be done to remedy this? Pullets have laid exceptionally heavy past few months, are not too fat, have examined them, feed 14 pounds of scratch feed per hundred birds per day, an excellent egg mash before them all ways, feed alfalfa for greens.

In your opinion does the English Leghorn lay as large an egg as the American strains, or not? Are the American Leghorns inclined to be as broody as the English Leghorn? Due to the fact that the English Leghorn is a heavier bird than the American Leghorn, the latter has been quoted as the better layer; is there anything to this?—M. M., Holly, Mich.

YOU are crowding your birds a little too heavy which accounts for the trouble you are having; cut this grain a little bit and give them 3/4 pound of epsom salt dissolved in the mash every week. See if this will not help them. If you had some roots, turnips, or carrots it might help get away from some of this trouble you are having.

I do not think that there is a great difference between the English and the American Leghorn in laying. Visited many Leghorn flocks last summer and the highest layer of all of them was an English flock. I would prefer the American for there are so many more of them to choose from. It may be that the American breed has the better of the records for there are so many more of them, but for individual flocks I should say there is little if any difference between them.—Dr. G. H. Conn.

SOUNDS LIKE ROUP

One of my ducks has a foamy discharge around the eyes, otherwise seems alright. Please advise what to do.—N. S. Algonac, Mich.

THE thing to do is remove this duck from all other poultry and watch for symptoms of roup. I doubt if that is what it is as I have never seen roup in ducks. Probably some infection in the eye which will likely disappear in a short time. If it does not, write us again and tell us in detail just how they look and act.—Dr. G. H. Conn.

EYES SWELL

I am writing you in regards to poultry trouble. I have 6 or 8 hens that have swollen heads and eyelids. An eye in one hen has swollen shut and is completely destroyed. When this first starts on them you notice it by their enlarged eyelids.—P. E., Coral, Mich.

GET an ounce of 2 per cent argyrol solution and a small camel's hair brush; paint the eyes night and morning as well as the sores in the throat; remove the affected birds from the flock as soon as you notice them; give the well birds water in which 1/2 teaspoonful of permanganate of potash has been dissolved in each gallon. Do not let them have any other water.—Dr. G. H. Conn.

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All breeders accredited by Michigan State College and Michigan Poultry Improvement Association. Don't buy any chicks until you have our new 1926 catalog explaining our matings in detail and how you can have greatest success with poultry. Write for copy, it's FREE.

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ENGLISH TYPE White Leghorns

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ELIJAH COMING BEFORE CHRIST. FREE book. B. Megiddo Mission, Rochester, N. Y.

MARKET FLASHES

Good Market For Hogs and Cattle

Warning Issued on Seed Corn

By W. W. FOOTE, Market Editor.

THERE is great danger of over-doing advice to farmers on how to carry on their farms and particularly just now as to tracts of land to put into the several grains, potatoes, etc. The United States Department of Agriculture has entered into forecasting the future of the crops, with full directions as to seeding, and what way prices may be expected to go under the new plans, and many states are following about the same course. Probably, the safer course for the farmer is to make no radical change in laying out his plots, providing his acres have yielded good profits in past average years. Under the new system of farming the land is so treated as to yield more than in the past, and this means in many instances fewer instead of more acres and more manuring. It is especially important in raising potatoes to see that the best

will not be particular enough in securing only the best. Ears picked in early autumn show up the best, and ears picked at husking time average very poorly.

Proposed Farm Legislation

There is wide difference of views among farmers as to what action the federal government should take in providing measures for agricultural relief, but many of them are agreed that the causes of the price disparity are largely due to the effective protection of industry and labor, which is not extended to the farmers, who are obtaining only the world prices for agricultural products, of which they must export the surplus.

Smashing Lamb Prices

Colorado and other sheepmen are rushing their lambs on the Chicago market recklessly, the best selling at \$14.50, comparing with \$18.25 a year ago. Nearly 100,000 lambs

M. B. F. MARKET REPORTS BY RADIO

EVERY evening, except Saturday and Sunday, at 7 o'clock, eastern standard time, the Michigan Business Farmer broadcasts market information and news of interest to farmers through radio station WGHF of Detroit. This station operates on a wave length of 270 meters.

of seed is used, as well as more fertilizer, improved cultivation and plenty of spraying, which will naturally result in materially increased crops to the acre. In some states the number of farms has decreased materially, but in most instances this is accounted for by the increased size of the farms, many farmers having added to their land. Usually, except for apples and other fruits and berries, and grapes and general truck farming, small farms do not pay satisfactorily. Poultry is cutting a big figure these days, and it is startling to learn that a short time ago stocks of eggs in cold storage in this country showed a total of 574,000 cases, comparing with only 81,000 cases a year earlier and 203,000 cases as the average for five years. In some states the horse situation is beginning to show improvement, and in certain localities a large demand for stallions is reported, with only a few offered for sale. Throughout several of the corn states a marked lack of reliable seed corn is reported, and there is very great danger that many farmers

reached Chicago last week and on the closing day 9,000 lambs arrived, consigned to the packers direct.

Excitement in Wheat Trade

There was tremendous excitement several days ago in the stock and wheat markets, with railroad and industrial stocks undergoing an extremely heavy decline in price, while wheat suffered a highly sensational decline on the Chicago Board of Trade. Big traders in grain sold many millions of bushels of wheat during the day, and when the day ended wheat for May delivery sold below \$1.60, which is the lowest point reached since November 30, and a fall of 26½ cents from the season's high time on December 20. These days the speculators are very apt to be on the bear side of the grain markets, and a lively cash demand is lacking usually. Wheat and other grain prices remain much lower than a year ago, much to the dissatisfaction of farmers, with especially low prices prevailing for corn and oats. Rye usually follows the same course of prices as wheat and rye exports are far from large. The

THE BUSINESS FARMER'S MARKET SUMMARY and Comparison with Markets Two Weeks Ago and One Year Ago

	Detroit March 10	Chicago March 10	Detroit Feb. 23	Detroit 1 yr. ago
WHEAT—				
No. 2 Red	\$1.73		\$1.83	\$1.81
No. 2 White	1.74		1.84	1.81
No. 2 Mixed	1.73		1.83	1.81
CORN—				
No. 3 Yellow	.75	.73	.75	1.26
No. 4 Yellow	.70	.68½ @ .72	.70	1.21
OATS—				
No. 2 White	.44	.40½ @ .40¾	.43½	.58
No. 3 White	.43	.40 @ .40¾	.42½	.57
RYE—				
Cash No. 2	.86		.94	1.45
BEANS—				
C. H. P. Cwt.	4.10		4.25 @ 4.35	6.00 @ 6.10
POTATOES—				
New, Per Cwt.	4.00 @ 4.06	3.55 @ 3.85	3.83 @ 4.00	1.14 @ 1.17
HAY—				
No. 1 Tim.	23.50 @ 24	22 @ 24	23.50 @ 24	16 @ 17
No. 2 Tim.	20 @ 21.50	19 @ 21	20 @ 21.50	14 @ 15
No. 1 Clover	20 @ 21	21.00	20 @ 21	14 @ 15
Light Mixed	22 @ 22.50	22 @ 23	22 @ 22.50	15 @ 16

Wednesday, March 10.—Grain market steady, with receipts small. Beans unchanged. Michigan potatoes steady.

visible rye supply in the United States a short time ago stood at 14,678,000 bushels, comparing with 23,381,000 bushels a year ago; that of wheat at 40,691,000 bushels, comparing with 70,677,000 bushels a year ago; that of corn at 33,878,000 bushels comparing with 32,292,000 bushels a year ago; and that of oats at 58,974,000 bushels, comparing with 72,386,000 bushels a year ago. It is encouraging to learn that the recent English demand for durum wheat has become animated, with late sales at September prices. As for corn, it is of the utmost importance that every farmer who raises corn should plant only the best tested seed this year, much corn being worthless for planting or nearly so. Late sales were made on Chicago Board of Trade for May delivery of wheat at \$1.59, comparing with \$1.92 a year ago; corn at 79 cents, comparing with \$1.31 a year ago; oats at 40 cents, comparing with 54 cents a year ago; and rye at 89 cents, comparing with \$1.41 a year ago.

Great Market for Hogs

It is a curious fact that corn is selling at unprofitable prices in parts of Iowa, with not anywhere near enough hogs to fatten on it, while in districts where farmers are fairly supplied with swine they are feeding low-priced corn and making the biggest kind of profits. There is plenty of corn in the country, but the hog supply is unusually small, and normal prices are not likely to be seen while market receipts are on such a reduced scale. One peculiarity of the recent market was the unusually wide range of prices, sales being made at a spread of \$4 per 100 pounds, the commoner lots selling lower and the best light lots much higher than a year ago. Farmers continue to make their swine much heavier than in other years, and recent Chicago receipts averaged 241 pounds, which is 20 pounds heavier than a year ago and 11 pounds heavier than the five-year average for corresponding weeks. The Department of Agriculture reports the hog shortage in the south as greater than anywhere else, the supply being the smallest in forty years, but the sales down there of lard and meats are disappointingly low. Late Chicago receipts were the smallest in number for any time since last November, and the combined receipts in seven western packing points for the year to late date were only 4,827,000 hogs, comparing with 6,851,000 one year ago and 7,290,000 two years ago. One year ago hogs were selling at \$12 to \$13.70 and two years ago at \$6.25 to \$7.55. Late sales were made at \$10.40 to \$14.

Recently the receipts of cattle in the Chicago market showed a big falling off in numbers, causing advances in prices, but the receipts in all the western markets for the year are well ahead of a year ago. Beef steers have been selling on a basis of \$8.15 to \$11.25, largely at \$8.80 to \$11, with country buyers wanting a good number of stockers and feeders at \$6.25 to \$9.25, prices averaging 25 cents higher than a week earlier. These cattle sold largely at \$7.50 to \$8.50, no good lots going below \$8. Stock and feeder cows and heifers had a good sale at \$4.50 to \$6.75. Killers competed with country buyers for fleshy feeders. One year ago beef steers sold at \$7.25 to \$12.35 and four years ago at \$6.75 to \$9.40.

WHEAT

Wheat prices declined some following lower prices in foreign markets and reports that the winter crop is coming along nicely. While wheat stocks on farms seem to be about one-third under a year ago there is very little export demand.

CORN

Light receipts hold corn prices firm but any increase in the marketing movement weakens the market and prices work lower.

OATS

There seems to be a steady market for oats at present prices and toward the close of last week prices advanced slightly.

RYE

Rye continues to follow the trend of wheat most of the time but on the closing of last week prices were advancing. Rye is considered a good

buy when compared with wheat prices, according to many.

BEANS

Wet beans continue to bear this market and prices have declined since our last issue. Information we have indicates that the buyers are reluctant to buy beans for fear they will contain too much moisture and spoil on their hands.

POTATOES

We have tried to collect the main facts about the potato market in an editorial in this issue. Many are positive that prices will advance, while others are just as sure they will go lower. At least we do not believe they will go lower for some time, and it is quite possible that they will go higher. That is our personal opinion, and we ask that you use your own judgment.

LIVESTOCK MARKETS

DETROIT.—Cattle: Market steady. Good to choice yearlings, dry fed, \$9.50 @10.50; best heavy steers, dry fed, \$9 @9.75; best handy weight butcher steers, \$7.25 @8.50; mixed steers and heifers, \$7 @8; handy light butchers, \$6.25 @7; light butchers, \$5 @6.25; best cows, \$6.25 @7; butcher cows, \$4.50 @6; common cows, \$4 @4.50; canners, \$3 @4; choice light bulls, \$5.50 @6.75; heavy bulls, \$5.25 @6.25; stock bulls, \$4.50 @5; feeders, \$6.50 @7.50; stockers, \$6 @7; milkers and springers, \$4.50 @5.50. Veal Calves: Market steady. Best \$14.50 @15; others, \$7 @14. Sheep and Lambs: Market steady. Best lambs, \$14 @14.25; fair lambs, \$12.50 @13.25; light to common lambs, \$10 @12; fair to good sheep, \$7 @8.50; culls and common, \$3 @4.50. Hogs: No hogs sold.



Week of March 14

BEFORE the week of March 14th is very old the mercury in the old reliable thermometer will take a sudden run for cover into the bulb at the lower end. In connection with this change to cooler weather in Michigan we are expecting the skies will be generally clear with sunshiny days and star-light nights.

By Wednesday or Thursday there will appear over the state a very decided storm area. The barometer will fall to a low reading and the winds will blow with tendencies towards local tornadoes. Electrical storms are also probable during middle to latter part of this week, although we are not looking for an over-abundance of precipitation for the state in general. Vessels and water shipping in general should watch for the sudden gales that will pick up and lash the water at this time.

At the close of the week, with the passage of this severe storm, the temperature will make a sudden drop to much lower readings.

Week of March 21

An unsettled period in the weather and one in which it is most difficult to arrive at the exact date of storm activity is now in force.

The sun is crossing the equator on its northward trip, spring is technically here, and winter and summer wind and temperature currents are fighting with each other for supremacy.

Storminess of last week will run into this. In fact, all through this period of the month, beginning several days before March 21st and ending several days after this date, winds will be strong with unevenly distributed precipitation and temperatures averaging above the seasonal normal.

Not until near the end of this week will temperatures show a decided drop and then the skies will clear for a few days.

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