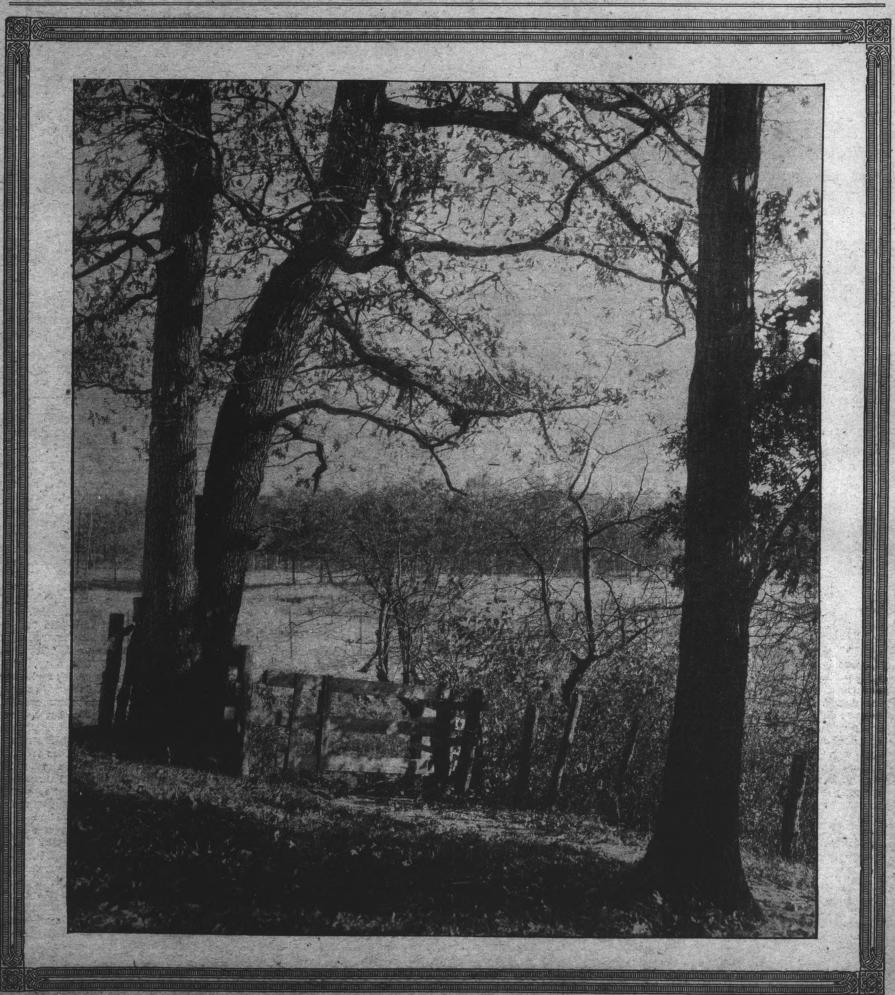


VOL. CLVIII. No. 17 Whole Number 4198 DETROIT, MICH., SATURDAY, APRIL 29, 1922

ONE YEAR \$1.00 FIVE YEARS \$3.00





Published Weekly Established 1843 Copyright 1921

The Lawrence Publishing Co. Editors and Proprietors LaFayette Boulevard TELEPHONE CHERRY 8384

NEW YORK OFFICE-95 Madison Ave. CHICAGO OFFICE-109 Transportation Bidg. CLEVELAND OFFICE-101-1-013 Oregon Ave.. N. E PHILADELPHIA OFFICE-261-263 South Third St.

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TERMS OF SUBSCRIPTION
Year, 52 issues
e Years, 156 issues
Years, 260 issues All Sent postpaid
Canadian subscription 50c a year extra for postage

RATES OF ADVERTISING measurement, or \$7.70 per per insertion. No advertis-\$1.65 each insertion. No inserted at any time.

Member Standard Farm Papers Association and Audit Bureau of Circulation. Entered as Second Class Matter at the Post Office at Detroit, Michigan Under the Act of March 3, 1879

VOLUME CLVIII NUMBER SIXTEEN

DETROIT, APRIL 29, 1922

CURRENT COMMENT THE MICHIGAN FARMER SAYS:

Keep cooperative businesses free from entangling alliances with visionary social "isms."

Too many heads are turned to the appeal of "luck" and from the modest returns of thrift.

Integrity, fidelity and unselfishness form the tripod of successful cooperative effort.

When disloyalty knocks the initial lingness to give up for them. "m" from members, "embers" are all that remain.

The boy and girl club leader who put "earn" into "learn" did much to further the club movement.

Producing for Less Money

I T appears that we are now at the parting of the way in the farming business. And those who are indifferent to the times

and choose to follow the same old expensive methods of production that served us during the prosperous years of the war, are likely to find themselves traveling toward the slough of has been trained to feel a responsibilfarmers who are making a close study the very highest contribution which a of their farming and choose to go the family can make to our national weldue time find their accounts showing ents the greatest possible degree of a balance on the right side of the satisfaction. ledger.

There is, however, a mistaken idea in the minds of many as to ways and means of keeping down the cost in farming. Too many believe that it can only be done by going back to the old system of laboring with more energy and sticking to the job for more hours each day. This may, and is quite apt to be, the very road that leads to bankruptcy. Too much physical labor often so dulls the mind of the farmer as to condition. During the war period there spots to the exclusion of their fellows make him unable to think out his problems clearly and to discover the better and cheaper way to accomplish and too few legume crops were grown. his work. Generally speaking, that The live stock business was also disfarmer prospers most whose skillful hands are guarded by an alert mind.

Right here we might well add that the findings of our agricultural experimenters have never been more helpful and necessary than they are just now. The question of good seeds, protective farms are most in need of. Small grain measures, the correct rotations and production has robbed the soil of nitroproper crops all go to reduce the unit gen and other elements and produced cost of production. Here, for instance, a mechanical condition which makes is a little economy that would scarcely the profitable growing of crops diffi- croachment of real estate operators? I'm poutin' cause of all the work what

been demonstrated that yellow corn is much superior to white corn for feedance of vitamines necessary for rapid growth. The white corn contains only small percentage of these vitamines and animals fed on it alone are not properly nourished. Where hogs are fed on pasture the difference in favor of yellow corn disappears, because the animals secure the necessary vitamines from the grasses.

This knowledge should aid the hog man in keeping down his costs by securing a maximum growth in his animals. With it he will use yellow corn or will provide something that furnishes vitamines when he feeds white corn. This is only one of the hundreds or thousands of helpful things which experimenters have learned through their careful investigation of agricultural problems. The farmer who is out to win should leave no opportunity to get dope from the stations of his own and neighboring states go unim- costs in the storing and feeding of proved.

Sacrifices to a Fault

W E all know the extent to which many mothers sacrifice their own comfort and pleasure in order to give their

children advantages. There is nothing more to be admired in the history of the race than the fine type of unselfish devotion which mothers have shown in this respect. The tragic part of it is that too frequently the children are unappreciative of mother's service and even take advantage of her wil-

We often wonder if the purpose for of natural beauty. Her sixteen hunis not frequently missed entirely. Inthe fun and mother do all the work, would not children be more benefited if their part of the daily tasks about the home? Indeed, experience and observation leads us to believe that the children themselves would gain a larger proportion of pleasure from their play hours after they had rendered the services which it is within their power to give, than where they were free to do as they please. Nothing is finer than to enter a home where every person bankruptcy. On the other hand, the ity for certain tasks. Such homes are way of economical production will in fare and they also bring to the par-

> The Time for Tonics

A JAIN the spring tablished in appropriate places, fever patient is But these parks are altogeth searching the medifavorite tonic. Pre-

heavy work.

grains. Old pastures were plowed up their lessons. The tuition, however, mains of winter while we are specucouraged through the high prices for grains. How are we going to meet the situation? What sort of a tonic can we prescribe?

Like the human body, it will be necessary to supply the things which our cost the farmer a cent to apply on his cult. These conditions can be re-es-

farm, yet it might mean many dollars tablished through an increased acreage quired in the consummation of a proadded to his net profits at the end of of legumes and a larger amount of gram of this kind would be reflected the year. A series of experiments has live stock. The farmer who desires manyfold in the increased value of the just been completed on the feeding to get his farm back on a normal basis property throughout the community value of yellow and white corn. It has and incidentally who would aid in the restoration of better markets, will do well to think carefully about legumes ing hogs that are not on pasture be- and live stock in planning and executcause yellow corn carries an abund- ing his work during the present season.

> More Silos Needed

A GOAL has been set by the agricultural leaders of Wisconsin. They have planned to have at least 100,000 silos up-

on the farms of that state by the first day of next September. At the present time Wisconsin leads by a large margin in the number of silos upon her farms, she now having around 90 .-000 of these structures. If through the number should be increased through special campaigns how much more should those who live in sections where silos have only been partly introduced make a grab at this sugges-

Farmers who are endeavoring to cut corn, sunflowers and other silage crops can well afford to plan for the erection of sufficient silage room to meet their full needs. They should have silage for their stock during the winter months and also enough to provide for the summer period when pastures may dry up or become too short to supply the food which the animals may require.

Michigan's Beauty Spots

FROM the time of the earliest French settlements Michigan has been known the country over as a state possessing much

which mothers make these sacrifices dred miles of frontage on the Great Lakes, her thousands of inland lakes stead of allowing children to have all scattered among rolling fields and forest-covered hills, her richly endowed soils wherein grow flowers and trees mother insisted that they perform in wonderful profusion, her bubbling springs and singing brooks and rushing streams have all contributed very abundantly to the great out-door appeal which annually brings hundreds of thousands of pleasure and health seekers to her shores.

We all know these spots in our respective communities and appreciate them. But at the rate they are now being gobbled up by enterprising real estate men and private individuals the years in which the general public may continue to enjoy these spots are few indeed. A little start has been made toward their protection by the state. Through the generosity of a number of municipalities, private individuals, etc., several state parks have been es-

But these parks are altogether too few. There should be hundreds of cine cabinet for his them where there is now one. These should be so located that the folks who served foods, he feels, labor hard may enjoy them-folks who has gotten his system in a run-down are in need of the refreshing influence condition and he must get ready for of parks and watering places a hun-• dred times worse than are the priv-The farming business, too, is out of ileged who occupy the most favored says I got enough at meal time. men. Eastern was high, since they have spent millions of dollars recovering from pri- kin have something remainin' fon the vate interests space where God's children may now enjoy an outing and have opportunity to bring back to normalcy the wrecked bodies of suffering

Is it not time that communities and townships and villages and perhaps farmers' organizations move to protect these beauty spots in their respective districts against the further en-Certainly any effort and expense re- she makes me do.

affected.

A Worth While Life

ON Sunday last, the writer attended the funeral of his best friend, a farmer boy who grew up with him in the same com-

munity and with whom he had been closely associated all his life. As a boy he was industrious and thrifty and earned the money necessary for a start in farming. He married a fitting helpmeet and settled down to the business of his life, first on a rented farm, later on a farm of his own, where his industry and thrift and good management contributed to the earning of a abundance of the experience of her competence, in addition to bringing farmers with silos, it is still felt that up a fine family of three children. But the choicest among his achievements was the place he won in the community in which he lived; a place which was attested by the host of friends and acquaintances who attended his funeral when he was stricken down in the prime of his manhood, and the tributes they one and all paid him.

He lived a worth while life. His greatest success was his wholesome influence on the community in which he lived. His life was worthy of emulation by all of us. It measured up to the critical standard by which all of us must one day be judged. There is no greater reward to a well-spent life than to have all those with whom we come in contact speak well of us.

Spring is Sproutin

KNOW spring is amidst us 'cause the other day I saw a bedspring outside sunnin' itself. It was recuperatin' from the debilitatin' effects of more'n a hundred winter snores. Beside it was the mattress, its fellow bearer o' burdens. Seems like them two instruments of comfort have what you call ponderous tasks with a sleepy

This is the time poets, like base ball players, warm up. The Michigan Farmer folks says it looks like everybody is sendin' in and



wantin' their inspirashuns published. It kinda seems like spring is the time of inspirashun, while summer's one of perspirashun.

'Nother sign of spring is the

They's been standin' still all winter, but now they are leavin'. Ain't it funny trees and such like take off all their clothes in the winter and puts them on in the summer? They's just contrary to us. But like us, they's gettin' out their new spring styles now.

Sophie says when a fellow is wishin' about fishin' and etc.; it ain't sasparilly and sassafras he wants, but a plumb big dose of ambishun which ain't found in bottles. Guess that's so. Anyhow, Sophie says I ought to take it in big doses betwixt and between meals. She

Seems like spring is a time of soap and hope. We are cleaning up the relatin' on accumulatin' enough so we next winter.

Old Ma Nature don't never fail. Everytime about now the birds is nestin', the sheep is lambin' and the cats is kittenin', and the grass and trees is gettin' green like the folks what lives amongst them. It sure is the time of promise—and hope that we kin pay in the fall.

Sophie says spring is sproutin' and HY SYCKLE

How Wireless Serves the Farm Folks

R. J. McLaughlin of the Detroit News Radio Service Opens Up a Vista of Realities and Possibilities

laboratory curiosity of eighteen months of service in the future. ago, it has now become so much of a commonplace that it no longer excites in the domestic routine of thousands addresses by prominent men on a wide range of topics, entertainments by the nation's foremost stage artists and much valuable, up-to-the-minute infor-

Portion of the Big Transmitter.

profit into homes, scattered over an enormous field.

To no class has it contributed more than to the farmers nor are its potentialities anywhere greater than in the rural districts. Situated, as the farmer necessarily is, away from the centers of public activity, the radio has snow," with the ground frozen and ice brought that activity to his fireside. It has provided him with the music means serious loss and sometimes of great orchestras, the thoughts of the country's leading thinkers expressed first-hand by the thinkers them- that a blizzard was racing toward him selves, the drolleries of stage celebrities, known to him otherwise only through an occasional trip to the city,

TRELESS telephony has worked ready given him much information of the blizzard was safely out of the way. the state with seeds of known and sciousness of the citizen in a furnishes his livelihood and is prepar- him. remarkably short space of time. A ing to yield him far more of that type

For example, the farmer has usually been a subscriber to the paper printed wonderment but has taken its station in the town nearest his farm and has relied on its columns for information of homes. Music of the highest order, as to the market. This has been quite satisfactory but there has been a considerable amount of unavoidable delay. 'The papers carry the latest market news of the day of their publicamation, all these are today disseminat- tion but, if they are evening papers, do not reach the farmer, ordinarily, until about noon of the day after going to press. Meantime, of course, the have been a serious slump in the very product which the farmer is hurrying to market on the strength of what he has read in the paper. It is a demonstrable fact that farmers have lost thousands of dollars through market fluctuations from day to day.

With a radio set in his home, however, the farmer is exactly informed of the state of the market on the very day when that state prevails. He can get his produce to his purchaser on the same day that he receives the information, before any change can take place in price.

Again, the radio will be of service in informing the farmers of the conditions of market demand in particular localities. Let us say that a dealers' association in Lansing wires or telephones to The News that there is an unusual demand for Michigan strawberries in that city. Station "WWJ" will immediately broadcast that information to all the farmers of the state to deliver an address on seasonable dance orchestras of Detroit and there who have been wise enough to install receiving sets and those same farmers may arrange to take advantage of the condition before nightfall.

As to the weather reports, the radio is positively invaluable to the agriculed, bringing enjoyment, recreation and turist. There is no type of endeavor so entirely at the mercy of the elements as his. It is a pitifully familiar experience for a farmer to set out his crops some warm day in early spring, when the danger of a destructive frost seems slight, and to awaken the next morning to "a universe of sky and in the rain-barrels. This inevitably

If this same farmer had been aware from northern Canada at a rate of sixty miles an hour and would doubtless arrive before midnight, he would

its way into the every-day con- immense value in the occupation which This information the radio will give demonstrated excellence.

sections is the recently inaugurated fessors from both the University of Michigan and the Michigan Agricultural College have already given addresses which have been attended by amateur operators in all parts of the state. The University of Michigan professors have, of course, spoken on matters of general educatioanl interest but those from M. A. C. have spoken and will continue to speak on subjects of particular interest and value to farmers.

David M. Friday, the new president market may have changed. There may of M. A. C. has arranged to furnish a member of his staff once every week

It is also the opinion of President Of not less importance to the rural Friday that the radio is bound to work out a closer union between the farmprogram of university extension. Pro- ers of Michigan and the inhabitants of the cities and towns and mean much in the promotion of a sympathetic solidarity in the citizenry of the state. This will undoubtedly follow if the farmers maintain their present gait in the installation of receiving sets. In the course of a year, at the present rate, there should no longer be any such thing as a rural district without "the advantages of the city," be these advantages recreational, intellectual or social. For already many farm communities in Michigan have held dances to music furnished by the leading



Each Afternoon (Except Sunday) the Market and Weather Reports Are Broadcasted for the Benefit of the Farmer Listener.

and important agricultural subjects in is scarcely a metropolitan production the News auditorium which will be broadcasted to all the farmers within the field covered by "WWJ." President Friday suggested that the taiks be given on Saturday evnings for that is the time when members of the grange and other farm organizations ordinarily hold their meetings, or the farmers, in the absence of a grange organization, usually gather in the nearest town.

Accordingly, this program commenced on the evening of Saturday, April 8, when Prof. H. C. Rather, extension specialist of the Michigan Agricultural College, and secretary-treasurer of the Michigan Crop Improvement Association, spoke on quality seeds as a means toward quality crops and told his invisible audience how the state of Michigan had arranged, through cooperation between the college and the and most important of all, it has al- have postponed his spring labors until association, to provide the farmers of performing this magic.

presented on any Detroit stage which does not send its star over to the News building at least once during the engagement to project some portion of his act through the ether as far as the waves carry.

This, then, is what the radio means today to the resident of the near or remote agricultural community and it contains more than a hint of what it will come to mean before many months are past. And, should the enterprise develop as there is every reason to believe that it will, we will presently hear no more of the Great City luring the farmer boy away from the wholesome soil where he belongs. The mountain refused to go to Mahomet but the city is in a fair way to be taken to the farmer without his stepping outside the farm house sittingroom. And it is the radio which is

Crow -- and How to Treat Him

A Simple Way to Get Rid of a Big Nuisance-

IKE most outlaws, the notorious Jim Crow has some points that are commended among law-abidhe is a hard-boiled egg. His springtime ravages on the cornfield are very largely responsible for his unsavory reputation, but he has added to it by occasional raids on the poultry yard, depredations on wild birds, and attacks on crops other than corn. At certain seasons and in certain localities he becomes such a nuisance and a detriment to farming that he must be warned by making an example of some members of his gang.

Jim is only about half bad, and because of his better half, which does not mean his wife, who is just as black as he is, it is not advisable to treat

his food is made up of insects, and he includes on his menu some of the farmer's worst enemies-grasshoppers, caterpillars, and white grubs and their parents, the May beetles.

Probably we could not get along so well without Jim Crow as with him. Killing off the whole family, if that were possible, would be a shortsighted policy. So, when the United States Department of Agriculture recommends the poisoning of crows, this measure should be looked upon merely as a warning to Jim and his family that they have been going too far and that they can't get away with every-

need many repetitions of the lesson, at least not in one season.

Every spring farmers revive their old feud with the Jim Crow family, carrying on a desultory battle by means of scarecrows, epithets, and the more effective deterrents of coal tar and poison. Coal tar, which may be secured at gas plants and some paint shops is not a poison, but it imparts a disagreeable gassy odor to the seed grain that is distasteful to crows and other pests. It has the advantage, not possessed by some other deterrents on the market, of not affecting the germination of the corn when used in lim-

ited quantities. A tablespoonful is used to a half bushel of seed. The grain is first heated by an application ing citizens, but when he is a bad bird him too harshly. Nearly one-fifth of thing. They are wary enough not to of warm water, and then drained. The coal tar is added immediately and a thorough stirring will give each kernel an even coating. The seed is then spread out to dry or is dried by the addition of sifted ashes, land plaster, or powdered earth.

The best deterrent, however, is strychnine, which may be applied to corn in a paste made up in the proportion of one ounce of powdered strychnine, two tablespoons of starch, and one and one-half pints of water to twenty quarts of corn. The starch and strychnine are put into the water, which is heated to boiling, and stirred

(Continued on page 614).

LATE AGRICULTURAL NEWS

COLONY TO SETTLE IN DELTA.

THREE thousand acres of very fertile cut-over lands not far from be colonized, this spring, by Finnish families from the Iron country of the upper peninsula, says the Escanaba Journal. Some fifty families are to setto be as good as any in the upper peroads. There is already some excel-Lake Michigan on the southern side of the upper peninsula.

THE U. S. BUDGET.

THE budget system of making appropriations is developing considerable criticism in congress. It has been found that one man can not examine every detail of the requirements of the thousand and one government departments, bureaus and divisions, and therefore the director of the budget must necessarily leave the details to subordinates.

The agricultural department estimate is cut \$3,000,000 by the estimate of the budget. When it was submitted by the secretary of agriculture to the director of the budget he did not look it over himself. He placed it in the hands of one of the employes of the budget bureau, who was formerly the manager of the La Salle Hotel, in Chicago, a person who, so far as the record discloses, never farmed in his life or had any knowledge of agriculture.

The estimate then went for the signature of the director of the budget, and he refused to sign it. He said the amount had not been cut sufficiently, and designated an army officer who knew nothing about agriculture. This general, this army officer, without any knowledge of agriculture and without conference with the employes or heads of the bureaus in the department of agriculture, took the estimate and cut it another \$2,000,000.

THE SENATE'S EXTRAVAGANCE.

THE budget bureau's indiscriminate slashing of appropriations without understanding the departmental needs is nearly counter-balanced by the senate's equally unintelligent extravagance in increasing appropriations by hastily prepared amendments. Without any apparent first-hand knowledge of the requirements of the department of agriculture, the senate just as recklessly increased the appropriation to the extent of more than one and a half million dollars within a few minutes' time, including the petty \$360,000 free seed distribution "graft." In like manner, the appropriation for the sup- port to the strikers in Kansas, after port of the state and justice departments carried an increase of \$1,971,house. In view of these actions on the part of the house and senate, there is some inquiry as to the use of having a budget director.

DEVELOPMENT BUREAU HAS NEW SECRETARY.

THE Western Michigan Development Bureau has resumed functioning at its former pace as the result of the appointment this week of Earl W. Moore, of Grand Rapids, as secretary and manager of the bureau. Mr. Moore is the son of a late Van Buren county farmer. He is a successful young business man of Grand Rapids and has a wide acquaintanceship throughout the western part of the

gested by the bureau's executive committee. He proposes to link the bu- ance rates would be lower and that it Big Bay de Noc in Delta county will reau closely with the county farm agents and to give the affairs of the dustrial consuming centers of the east, society a business administration. Development program as carried on for the past twelve years will be pushed northwest, than the amount that would tle there this season. The land is said forward, a strenuous effort will be made to secure new settlers experiencninsula and to be well supplied with ed in farming, and industrial projects will be encouraged. Mr. Moore stated lent farming country in the vicinity of he expects to cooperate with all farm Big Bay de Noc, which is an arm of organizations, the Michigan Agriculment of Agriculture, with a view to Ted by Represent in the best interest and the best i promoting the best interests of western Michigan.

THE WATERWAY MATTER.

T is now authoritatively settled that hearings on the St. Lawrence ship canal bill will not begin until a treaty has been negotiated between the United States, Great Britain and Canada. in regard to the construction and control of the canal and river. To put such a treaty through will require at least three years. This projects the St. Lawrence project far into the fu-

In the meantime the friends of the All-American route are preparing to open a campaign of propaganda for the Reed Bill, which provides for the incorporation of the Lakes to Hudson Ship Canal Company, to construct and maintain a ship canal three hundred feet wide and at least thirty feet deep to connect Lake Erie with Lake Ontario, and Lake Ontario with the Hud-

The new secretary is now planning that the route proposed can be used the year's program along lines sug- at least a month longer than the St. Lawrence-Canadian route; that insurwhich consume many times more of the products of the middle west anu ever be exported through the proposed St. Lawrence Canal.

THE PURPOSE OF THE LAND BANK BILL.

"However vigilant the directors of the regional banks under the present system may be, it is impossible to communicate and negotiate with prospective borrowers as promptly and as satisfactorily as could be done if there were a branch bank in the capital of each state. The farm loan associations are making constant appeal for closer contact and quicker action. When the Federal Land Banks were emancipated by the supreme court decision establishing their constitutionality, I announced my purpose to introduce this bill establishing a branch bank in every state, and the sluggish functioning of regional banks under the congestion of business since then has convinced me more than ever that a state branch is a necessity for the convenience of the farmers."

APRIL MEETING OF THE STATE BOARD.

M R. DAVID FRIDAY, meeting with the State Board of Agriculture, son river below Albany. They claim April 19, for the first time since he has

become president of the Michigan Agricultural College, presented plans for the expansion of the college curriculum, which plans were adopted unaniwould link the west with the great in- mously by the board. The plans call for a widening of the scope of the horticultural department.

Details of a new course in administrative engineering were approved; a new soil experiment station is to be located at Mancelona and the board of agriculture voted to cooperate with the State

Department of Agriculture in an economic land survey of the state. In addition to the proposed plans for change the board made an exhaustive study of next year's college budget. That students who elect to take the new course in administrative engineering will have the advantage of listen-

ing to lectures given by President Friday is more than probable as he is taking a great personal interest in the development of this new course.

The Chamber of Commerce of Mancelona offered forty acres of land at that place for use as a soil experiment station and the board accepted the offer. This station will be handled under the direction of Dr. M. M. McCool, head of the soils division of the college experiment station.

The new station will be made a substation and will be used for experiments in soil improvement for potatoproduction and soil management in the problems of legume production adn establishing a long series of tests regarding the relative merit of different lime projects.

The State Board of Agriculture also authorized the college to cooperate with the State Department of Agriculture in undertaking an economic land survey in the state. Certain selected localities will be announced later for the carrying out of this program .-THURSTON.

Wednesday, April 19.

DETROIT voted to buy the city way, the city taking possession May 15.—Twenty-one die and a hundred are injured in a tornado which sweeps Indiana.—The Russian-German treaty arouses the ire of the allied chiefs .-Charles Kubat, a Nebraska attorney, dislocated his arm while vigorously arguing a case.

Thursday, April 20.

THE United States Department of Commerce is issuing many radio broadcasting rights.—The Illinois Unit- ed States to try to understand the coned Mine Workers refuse further suphaving contributed \$300,000.—The radio show in Detroit drew big crowds. 333 over the amount passed by the It far surpasses any show of its kind given before.

Friday, April 21.

ast.—Genesee county will lift the idents of many twins who died recently leave an es- aerial communication. tate of only \$400.—The province of British Columbia is so free from ser-British Columbia is so free from serious crime that there is no sitting of Lunderclassmen of the University the criminal courts.

Saturday, April 22.

THE State Board of Agriculture apfor a larger M. A. C.-Reports indicate leaders of the Republican and Irish that General Pershing may run as a Freestate forces in Ireland. Germany candidate for the United States Senate submits to the allied rebuke for signfrom Missouri.-The B. & O. Railway ing the pact with Russia in an attempt places an order for \$1,200,000 worth of to restore harmony at Genoa.

equipment.—The Employers' Association in Detroit says that unemployment lines of the Detroit United Rail- is past and that it is difficult to get skilled workers to fill vacancies.

unday, April 23.

RUIT crops in Ohio are reported to have been damaged by frost.-Congress refuses to raise tax rates despite the pleas of Secretary Mellon .-The German government pays 18,000,-000 marks to the allied reparations committee. Russia offers to pay its debts to Chili, which amounts to seventy cents.-Lady Astor asks the Unitditions and mentality of Europe.

Monday, April 24.

OVER a million dollars' worth of damage is done by the Mississippi breaking over the levees south of New Orleans.-A meteor flashed through space near Asbury Park, N. J., with FIVE are slain in new riots at Bel- a thunderous roar, frightening the resof the nearby towns. ban on heavily loaded trucks passing It is reported that Secretary Hoover over its roads.-The famous Siamese will be given full power to regulate

Tuesday, April 25.

EGAL action is considered because of Illinois carry canes, which the seniors use as a mark of distinction.-It is reported that an agreement has proves President Friday's plans been reached between the military

COUNTY TAKES OVER FAIR GROUNDS.

THE county fair grounds and all the property belonging to the Chippewa County Agricultural Society are to be turned over to the county on consideration that the county assume the debts of the society amounting to 7,800, according to the Evening News, of Sault Ste. Marie. A deed will be executed in accordance with this arrangement, approved by the Chippewa Board of Supervisors, March 25.

TO REINSTATE INSURANCE POLI-CIES OF U. S. VETERANS.

CAMPAIGN will be instituted for A the purpose of reinstating and converting United States government insurance policies of ex-service men and women. There is a general impression that the policies once allowed to lapse can no longer be reinstated. This is not the case, since the ex-service men and women have until March, 1926, to reinstate the policies.

LAST YEAR'S POTATO CROP.

N total value the potato crop for 1921 ranks third among the farm crops grown in Michigan, with a value of \$25,840,000. Hay is first with a value of \$38,064,000 and corn second with \$31,800,000. Montcalm county ranked first in production with 2,083,500 bushels, Mecosta county second with 1,130,-500 bushels and Kent county was third with a production only slightly below Mecosta or 1,129,920 bushels, averaging eighty-eight bushels per acre.-M.

Feed more dry-mash now. Hens are laying and need more egg-building ma-terial.

Horticulture

On a Michigan Fruit Farm

Some Passing Jobs and Problems

FINTER sure has been lingering swollen buds and the peach trees give in the lap of spring. Farmers every indication of a big crop. Apple in this section are gazing longingly at seas of mud which should represent fields of oats. At this writing not an oat has been sown and another all-night rain soaked the fields once

On the few nice days, the sound of the spray engine is heard in the land and the air is perfumed with dope. Judging from the smell, the agricultural chemists must have sought for a compound which would make the bugs vomit themselves to death. Most spray dope smells like a cross between a long dead polecat and ancient eggs. To this delectable compound add some nicotine sulphate—which is just forty times stronger than the heel of an old pipe-arsenate of lead and pond wa-

month later this year but that is a cause for rejoicing on our part. Town meeting day has come and gone. This is the one institution which has withstood the test of time. It goes back hundreds of years to the old "Tum Moot" which was held in England in King John's time. The township comes very near being a pure democracy but even in our townships we delegate much of the power to the town board. Year after year we vote a huge sum to be spent on the roads and every spring the dirt roads

are all but impassable.

buds are bursting open but are cov-

ered with aphis. Currant and goose-

berry bushes are in leaf and about

ready to blossom while other berries

are showing tender green leaves. The season for fruit will be at least a

Up in Mason county, years ago, the highway commissioner told me if I would dig out one stump he would receipt my poll tax. I agreed before I saw the stump. When I did see it, oh, my! oh, my! It was an enormous one. The highway man gave me the big laugh but he soon had cause to laugh on the other side of his face. The stump was only a shell. Three blows with an axe demolished it and the day's work was done.

I worked out my poll tax one time in Alabama by helping build a new road through the woods. Just as I was helping roll a log out of the road by main strength, a big dog took hold on the calf of my leg and gave me a most gosh awful bite. I helped do poll tax work on a rock hill in Missouri and we wound up an early day with a large keg of beer, rye bread and weenies. Working out the road tax was a very poor system but it did promote a social feeling.

We fruit men are in hopes that the St. Lawrence waterway will divert the stream of ice water from the north which comes this way on account of the Chicago drainage canal. We lay the blame to that current of ice water for having such wet, cold springs and a yearly drouth through July and

Well, I must put on my gum boots, rain coat and mittens and wade out to do the chores. I have paddled around in the mud so much this spring that I begin to expect to grow webs between my toes like a duck. Water, water, everywhere and not a drop to drink-



A Well-developed Young Apple Tree in Marquette County.

ter. Stir thoroughly, especially when you get a dose in the face and eyes.

When my little boy kept asking, "Daddy, what makes you cry so much?" I told him I was crying for my grandmother who died before the Civil War. Her memory was no longer green but I wept copious tears just the same. Possibly the idea is to make the bugs weep themselves blind. I wonder whether it isn't possible that so much strong dope is responsible for the prevalence of so much orchard blight.

Just at present, our garden spot is a successful imitation of a pollywog's heaven. The hot-bed plants are coming on nicely despite the lack of sunshine. We will have an abundance of early cabbage, tomato and Chinese cabbage plants and have lettuce almost large enough to cut. As usual the plum tree since the Volstead act-and that is limbs are completely covered with all right too .- R. B. REBER.



Wet Weather is Hindering Spraying in Many Fruit Sections, Hence Greater Importance to those Who Can of Doing the Work on Time.

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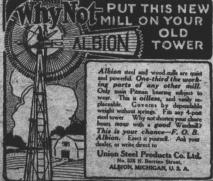
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SKUNK FARMING.

Where can I get books on skunk raising for fur-bearing purposes?—W.

The Skunk Development Bureau, of Chicago, Illinois, publish a book that covers the raising of skunks in detail. It is sold for \$1.25. "Fur Farming," by Mr. Harding, 106 Walnut Street, St. Louis, Mo., and "Fur-bearing Animals," a book published by The Harmond Press, Buffalo, New York, also contain chapters on skunk farming. A butletin on skunk raising may be obtained from the Department of Agriculture, Washington, D. C.

CONVEYANCE BY MARRIED WOMAN.

If a woman resides in Ohio and owns property in Michigan, can she deed the property away without the husband's signature?—M. R.

A married man has no interest in his wife's real property in Michigan. She can convey it without his joining in the conveyance.-J. R. R.

TREATING POTATOES FOR SCAB.

Will you please tell me the best way to treat potatoes for scab?—W. S. M. Probably the most satisfactory way of treating potatoes for scab is to use one pound of formalin to thirty gallons of water. Before cutting your seed potatoes, soak them in this solution for at least ninety minutes. After they are taken out of it, allow them to dry, then cut and plant. It is advisable to plant them in soil in which potatoes have not been grown the preceding year, and not directly after an application of manure or lime. Even though you soak your seed potatoes. it would be advisable for you to throw out the ones that are most seriously

OATS OR MILLET FOR PASTURE.

Would oats or millet be the best for pasture for cows?—M. H. L.

The period of pasture for either oatsbecause of the loss through trampinggreater benefit might be realized by cutting either one in a green state and has been giving excellent results as a pasture crop in Michigan. Biennial White Sweet Clover has also proved sown in the spring and pastured durably be little difference between oats will need liming if acid. and millet as pasture. J. A. W.

SWEET CLOVER FOR PASTURE.

Would you kindly advise me how to procure a permanent field of sweet clover for pasture? Have a twenty-acre field; would like to seed it down

produced the second year. In order to seed-bed at that time. secure permanent pasture it is necessary that a few of the plants produce seed every year. If the seeding was made a year ago this spring, would suggest scattering from six to eight pounds of scarified seed per acre over the field this spring in order that some seed may be produced a year from this fall. It will also be necessary to pasture the clover judiciously the latter part of the season in order that a few plants will have a chance to produce seed. If this is not done, a small amount of unscarified seed may be

sown during the late fall or scarified seed may be sown during the early spring and covered by the tramping of the stock when the field is pastured.

Sweet clover is a very profitable pasture crop. At the Michigan Agricultural Station the past season, an acre of sweet clover returned a profit of \$69 after allowing for the cost of the feed at \$40 a ton. The milk produced from the acre of sweet clover was valued at twenty cents a gallon. Cattle soon become accustomed to the sweet clover pasture when fed no other roughage for a few days. Sweet clover is very succulent, consequently cattle should have access to dry feed. The use of lime, inoculation, a wellfirmed seed-bed and scarified seed should not be overlooked in securing a stand of sweet clover .- C. R. M.

GETTING AN ALFALFA STAND.

I would like to get some alfalfa started as soon as possible, but the only ground I have to plant it on that is not now seeded to other clover is a is not now seeded to other clover is a small piece seeded to wheat, and about two acres seeded to rye with some self-sown vetch, and about four acres that has a very little mammoth clover on it, seeded in oats last year. The failure of the clover was due to not getting the seed covered enough, as it was late and the weather dry. This piece is quite well seeded to our common weeds. What method can you suggest to get alfalfa started on this ground? I thought of plowing the rye under after it had made some growth but this might make it late in the season as the ground is high and sandy. I once got a good stand of alfalfa sown I once got a good stand of alfalfa sown in August after rye had been harvest-ed for seed. I raised a few red kidney beans last year. They were badly diseased. Vines partially dying, and some entirely, when they were half-grown. When the pods are fed to sheep will the manure carry the disease to next year's crop? Is it true that there is an improved dark red variety that are not diseased?—A. P.

Good stands of alfalfa can be secured by seeding with wheat. Would suggest that you seed down your small piece of wheat, and also the two acres of rye with self-sown vetch, to alfalfa. or millet would be rather short, and If your land needs lime, two tons of finely ground limestone or several cubic yards of marl should be applied this winter or early spring as a topuse it as a soiling feed. Sudan grass dressing. Ten pounds of northerngrown Grimm alfalfa is sufficient per

I am also of the opinion that the to be especially good. This, of course, piece of land, seeded to mammoth clomust be sown the year preceding the ver last year which resulted in a fail-pasture season. Sudan grass may be ure, could be thoroughly disced, seeded to alfalfa and rolled this spring ing the summer. There would prob with good results. This land, too,

> Alfalfa will win its way against nearly all common weeds. June grass and quack grass give most trouble. If your field is infested with these it would pay to plant a cultivated crop before seeding to alfalfa.

Another way of cleaning up quackwith sweet clover and use it for pas-ture permanently.—C. K. grass and June grass is to plow in the spring and fallow working at inter-Sweet elever is a biennial, or two vals of a week or ten days until late year crop, in that mature seed are July, seeding alfalfa on a firmly rolled

> The Wells' Red Kidney bean, developed in New York state, is apparently resistant to anthracnose. It is claimed that it is not affected as much by blight and mosaic as other beans. The seed can be secured from the Farm Bureau Seed Department, 221 North Cedar St., Lansing, Mich.

Feeding pods of diseased beans and applying the manure will carry the spores of bean diseases to the soil. Manure from bean straw fed stock should not be applied just before the beans .- J. F. Cox.

Class Legislation

Shall We thus Classify Just Laws Needed to Place Agriculture on a Level With Other Industries?

By Senator Arthur Capper

HE mythical person who bit off never more so than now-because its something like his counterpart today of business and industry, and the more in considerable numbers in the United States Senate.

He is the kind of person, for in-tional life, the worse for us. stance, who sets up the cry "Class Legislation" when congress considers serve act merely puts agriculture on a any measure that is likely to permit this country's biggest industry to get out of the middle of the last century and establish itself on a modern economic basis whereby it may continue to balance its judgments and actions, to exist and may continue to provide for the continued existence of the nation.

Those who oppose the agricultural program are always talking about daily. On November 1, 1920, when the to know—is how anything which will help make more efficient, or which totaled a little more than fifteen and

his nose to spite his face is not great farming industry is nowhere on so very mythical. We have equal footing with the organized world we oppose or try to prevent the full coordination of agriculture with na-

This amendment to the federal repar with commerce and finance.

For an example indicating the need of an agricultural representative on the Federal Reserve Board the better we need only go back to the autumn of 1920 when farmers were being forced to pay loans at a time when farm prices had collapsed and were falling "class legislation." What I should like amount of loans on farm paper held by six of the great reserve banks only will better the economic or working a half million dollars, the New York



conditions of the industry that three Reserve Bank lent two hundred and times a day, year in and year out, fifty millions to two member banks keeps this nation from going hungry, can be called "class legislation." If some one will show me that, I will agree that the "class legislation" shouters are right.

I have noticed during a more or less busy life, that when agriculture prospers everybody prospers, including the bankers and business men, and when agriculture doesn't prosper nothing else does. It seems an infallible rule.

When the senate passed the proposed amendment to the federal reserve act providing that agriculture should be represented on the Federal Reserve Board along with industry, commerce and finance, the talk of Wall Street bankers was that this was "class legislation." These bankers are now bitterly opposing the action on this measure in the house and have the chairman of the house committee on banking and currency with them.

Yet all this amendment does is to correct a perfectly obvious discrimination against the largest and most important industry of all and give it equal representation on the board along with commerce, industry and finance. The proposed amendment merely inserts the word "agricultural" in the clause reading the President "shall have due regard to a fair representation of the different commercial, industrial and geographic divisions of the country."

No one seems to think it "class legislation" for commerce, finance and manufacturing to be represented on the Federal Reserve Board, and, of course, it is not. Then why should it be considered "class legislation" for agriculture, which is the largest and disastrous form of bankruptcy known most vital industry of all, to be so rep-

It is amazing to me that anybody wise, reasonable and right.

If agriculture with its eighty billions invested and contributing one-half this country's bank deposits—the source in normal times, of approximately twenty-three billions of new wealth each year-is not entitled to recognition and to have a place on a national board that is supposed to be fully representative of the commercial and productive forces of the nation and to be in intimate touch with the whole field of national endeavor-will some one please tell me what constitutes a val-

The country has long suffered-and

noted for the amount of business they transact with the speculative element. Plenty of cash for speculations, mighty little for a fundamental industry whose credit needs, even in a normal year, run into the billions.

The policies of a board which so powerfully affects agriculture, commerce and industry, as the Federal Reserve Board does, should only be determined by a group of men of broad understanding and in the most intimate touch with the country's condition and needs.

Under the federal reserve act, it is the President's duty to select the appointive members of the board. No President, I am quite sure, would be likely to put a farmer upon this board who was not entirely capable of measuring up to its responsibilities. Nor can I see there is any danger of one lone farmer member leading all the other five members astray. Then why should eastern financial interests be so fearful of a farmer on the reserve board? As for business qualifications, for keen intelligence and for sane and sound sense, I will match several farmers I know against any man or men of business I have ever met.

Besides being engaged in our largest business, the farmers of this country have charge of its biggest bankthe soil. The basic wealth of this nation is in their hands absolutely. If we hamper them so that they are compelled to rob the soil of its fertility in order to live, instead of conserving this priceless possession, we are merely cashing checks on the nation's future which leads rapidly to the most

President Jardine, of Kansas Agricultural College, told a gathering of should object to what is so clearly bankers the other day that if the farming industry is obliged to continue as it has for the last forty years, there is only pauperism and tenantry of the most destructive sort ahead of it.

> Please understand I am making no special plea for our farmers: I am not asking a single favor for them. I am as much opposed to "class legislation" as the stiffest-backed American who ever lived. It is in no sense class legislation that I am advocating. I would put the argument on far higher ground—the very highest—national welfare. Take care of the farm and the farmer will take care of the na-



Mr. Jenkins Took a Cracked Club To Tame Lions

The exhibition ended rather badly. It very nearly was a big day for the lions and a sad day for Mr. Jenkins - all for want of proper care in getting ready.

Many a man who has business to do and a living to make and a job to fill is as careless how he feeds his body as Mr. Jenkins was in picking out a club. And an improperly nourished body often fails under a hard test.

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Francisco Farm Notes

By P. P. Pope

this morning, but we were awakened early by the booming of thunder and bright lightning flashes. The clouds about the surest sign of rain we know. moisture, and gives one that smothery feeling like comes to an outdoor per-Something inside of me says, "don't



work, don't think, relax." And all stroll afield between showers, or even suggests

gan,

ing in a position to operate this year, can put on the ground to take the excellent. Wheat and clover does fine on this field, in fact, every crop that I have ever tried does fine. Now, from a paying proposition to put at least a part of this field into Hubam to raise a crop of seed. Drill it in rows thirty to sow twenty-eight or thirty-five inch-Could this crop be harvested so this field could be prepared for wheat this fall so I would not have to break the .weighs sixty pounds per bushel. rotation of crop I am following? This field raised a splendid crop of June clover last year and was plowed last fall. Would you consider eight bushels of seed to an acre too much to expect? If it is a fair question, what did you realize per bushel from your seed last year? How many pounds of seed are there in a standard bushel, and how many pounds do you sow or drill to an acre? Did you use your grain drill, sowing through the grass seeder attachment? Did you sell direct to the farm bureau or did you only send it to them to be hulled? Any suggestions you see fit to make would be appreciated."

Our reader's letter shows that he has given the subject of Hubam clover considerable thought, and is no doubt asking questions that are foremost in the minds of many others. The ques- county, North Dakota, indicates that paying proposition depends entire upon the selling price of the seed next The outlook is for 20,000 acres this spring and that nobody can more than year. guess at the present time. As to producing the crop, there is little doubt but that the experience would be satisfactory on this field. Six to eight bushels could reasonably be expected. It is so new that it is still in the experimental stage with all of us, and no one can tell what the demand for seed will be another year. I am sowing a small plot of about an acre for forage and will turn the pigs in as soon as it is fit. Am also sowing a twenty-twoacre field to Hubam with the intention of cutting it for hay, seed, or plowing

T is blue Monday and everyone has under, whichever seems most advisathe spring fever. The last couple ble after the removal of the grain. I of days have been beautiful drying am not placing absolute dependence days and we were all set for the fields in it for any of these purposes but hope to have something interesting to report this fall, and the results of these field experiments which will be gather thick all around and water carried on this season by many farmpours down in the middle and that is ers besides myself, will determine largely the demand for the seed in the The air is warm, sultry and laden with future. Sq far the seed has been so scarce and the price so high that little has been sown except for seed purson upon entering a greenhouse. poses, and from that standpoint it has proved a decided success. It is now up to it to make good as a forage and hay crop or there will be little market nature lures one for the seed. Personally I have conleisurely siderable faith in it, and should our reader decide to plant a portion of his field to Hubam, he should sow the rows twenty-eight inches apart with what a great day his eleven-row drill through the grass it would be to "go seeder attachment. Sow as early as the ground can be put in good shape A Yale, Michi- and at the rate of one and one-half to subscriber two pounds of seed per acre. Begin writes for infor- cultivating as early as possible and mation as follows: "I am writing you when it is five or six inches high use to get more information on Hubam a good sharp spike-tooth drag crossclover. I see that our farm bureau is ways the rows. It will not hurt the advertising Hubam seed for sale, so Hubam unless too much of the soil is thought I would investigate. On ac- moved and the combing will elimicount of our canning factory not be- nate lots of weeds. Our seed last year was ready to harvest the first week in I am looking for other crops that I September and it should have a week or ten days to cure. So if weather place of one I intended to grow for conditions are favorable you should the canning factory. The field is eight- be able to follow with wheat. The een acres of clay loam soil. Drainage shattering of the seed would give you a volunteer seeding in the wheat the following season.

Our seed was consigned to the State your experience would you consider it Farm Bureau seed department and placed in the pool along with most all the Hubam seed grown in the state. The pool will not be closed until after ia and Lowell. inches apart and cultivate. My drill the spring seeding season, so we do is an eleven-row drill so would have not know yet what the exact returns will be. At the present time it is selles apart, which would you advise? ing for twenty-five to sixty-five cents a pound. The seed looks just like alfalfa or biennial sweet clover seed and

FARM LABOR IN DEMAND.

IT would appear from reports that farmers and farm laborers are getting nearer together. The supply of farm labor appears to be reaching normal proportions again following the low point reached in 1920 when there was hardly three-fourths of the supply needed to properly carry on the farm work. According to the federal crop estimators, the demand for labor on farms has jumped up two per cent. Lower wages have made possible the hiring of a larger number of men.

TO DOUBLE POTATO ACREAGE.

tion as to whether or no it would be there will be planted over twice the number of acres that went in in 1921

CORN BORER QUARANTINE LIM-ITED.

A NEW order has gone out to limit the application of the quarantine for the European corn borer to the infested areas in the states affected. The enforcement of this new order, which becomes effective May 1, will require that the state designate to the federal government the particular areas infested. All states excepting Ohio and Michigan have established state quarantined as a whole until they, too, eswill promptly take the necessary ac-

MACHINERY PRICES DECLINE.

A SURVEY made by the department of agriculture shows a decline in the prices of things which farmers buy of 20.2 per cent during the year beginning February 15, 1921. During the month from January 15 to February 15, of this year, there was a decline of 1.6 per cent. The paring down of prices has been most pronounced in the case of machinery and tools, such as tractors, cream separators, farrows, lumber, manure spreaders, mowers, scythes and wheelbarrows.

WHY SOILS WEAR OUT.

THERE are soils which have been in constant cultivation since the beginning of the Christian era. One would think that a knowledge of how fertility is maintained in soil for so long a period would assist materially in solving the question of a permanent agriculture. To undertake to secure this knowledge the department of ag- Gift."

antines. These two states will be quar- riculture is sending a man abroad to make a careful study of these old soils. tablish quarantines. It is expected It is possible that the information he that our own state, and Ohio as well, gathers may help us Americans to avoid some of the difficulties which tion for the limitation of the quaran- the agriculture of a number of old countries has had to pass through during the past centuries.

EXIT CANADA THISTLES.

A T last farmers have a very satisfactory recipe for the Canada thistle patch. At least, this is true of those who have soil suited to the production of alfalfa and this crop can be grown upon a wide variety of land. Where one has patches of thistles in a field, he can get rid of them by devoting that field to alfalfa for a period of three or more years. If the land is sour it will be necessary to add lime in order to make certain of a good catch of alfalfa. The extensive root system of this plant, together with the frequent cuttings will wipe out the Canada thistles in a brief period of

Having shown that George Washington had red hair, historians now credit him with the ownership of the first mule in America. A present from the King of Spain, it was named "Royal

Farm News Briefly Told

Increased demand for ginseng has home-grown rhubarb. Spinach brought caused Frank J. Curtis and Bert L. Taylor, of Charlotte, to enlarge their ginseng and golden seal garden. There is said to be a shortage of gin-* * *

Sheepmen in Kent county will pool their wool early in June, according to plans made by Don Williams, of the State Farm Bureau. Pools will be opened at the Grand Rrapids Growers' Association in Grand Rapids, and at the co-operative elevators in Caledon-

A temporary hay shortage at some Michigan points was relieved about the middle of the month when road conditions became decidedly improved and farmers were able to market their forage. Regions hit by the drought last year suffered the most.

Vineyards in the Van Buren county grape belt are in excellent condition and prospects for a large crop are fine. The Southern Michigan Fruit Association has introduced two dusting machines which will be given a thorough trial this season.

West Michigan Poultry Association will stage its annual show during the first week of January, 1923. The National Buff Rock Breeders, West Michigan Pigeon Breeders, Michigan Ancona Breeders and District Black Orpington Breeders have accepted invitations to show at the exposition.

Greenhouse men in the vicinity of A N early survey of the prospective Grand Rapids expect to begin picking potato acreage in Grand Forks their first hothouse cucumbers of the their first hothouse cucumbers of the season about May 15. They now are finishing the harvest of their second leaf lettuce crop and will commence ling with a large attendacne. Promion the third about May 1.

> Missaukee county potato growers staged a "Potato Day" celebration at Lake City on April 15. Problems of the industry were discussed by representatives of the State Farm Bureau, Michigan Potato Growers' Exchange, Michigan State Farm Bureau and county farm agents.

John Gortsma sold the first Michigan-grown outdoor spinach on the VanEerden marketed the first outdoor added later as interest increases.

\$2.25 a bushel and rhubarb ten cents a pound. -

Fremont Creamery Company is being reorganized on a cooperative basis. Each stockholder is limited to five shares, holders of more than that number agreeing to sell their surplus shares back to the company for resale to other patrons.

The West Michigan State Fair is seeking 2,500 new annual members at \$5.00 each, and from 100 to 200 life members at \$100 each. Funds derived from this source will be used to erect a building suitable for winter conventions. A mid-winter agricultural exposition, featuring apples, potatoes and grains, would be put on by the association.

The annual spring meeting of the Michigan Canners' Association was held in Grand Rapids on April 26-27. The canners insisted upon a rigid inspection of their products and factories. William P. Hartman, state director of foods and markets declared his men would be instructed to make such an inspection this season. Nearly all the large canners in the state will operate.

At their meeting in Grand Rapids, western Michigan Holstein breeders made arrangements to hold their annual auction sale at the West Michigan State Fair Grounds on June 2. Another auction will take place in Oc-

Barry county's first farm boys' conference was held this month at Downent state men addressed the two-day conference.

* * * Mrs. C. O. Jones, of Constantine, has gone into the poultry business on a large scale. She expects to have a flock of 1,000 or more laying hens next fall.

A cooperative pure-bred sire association has been organized at East Fruitport. 'Directors are: J. M. Verveer, Charles Bliss, E. Deremo, Gust Fors-Grand Rapids market this season on berg and J. R. Davidson. Two sires April 12 and on the following day, N. will be purchased at first and more

An Old Alfalfa Grower

Gives His Experiences Which in a Few Respects Do Not Accord With Popular Ideas

rich, mellow, loamy soil, free from acid. Some of the heavy clay soils that are well supplied with pounds of orchard grass seed and two lime produce well. Usually clay soils acres with twenty pounds of alfalfa are better supplied with lime than any seed alone, and two acres with fifteen others. Some soil will not produce pounds of alfalfa seed alone. This was alfalfa, too cold and sour and water an experiment to determine how alfalis too near the surface. If acid is pres- fa and orchard grass would do togethent in the soil, use from one to two er and also to find which amount of tons of finely ground raw limestone alfalfa seed to sow per acre. We found per acre or three or four tons of marl out that the orchard grass nearly took per acre extra. For quiek results use possession of the ground after four five hundred gounds of air-slaked or years, so would not recommend sowhydrated lime per acre. Lime should ing orchard grass with alfalfa. This be applied after ground is plowed and piece was clipped three times during dragged once then sow and drag again. the season except one-half acre which

LFALFA does best on a deep, ted by discing and dragging. On June 2 we sowed two acres with fifteen pounds of alfalfa seed and eight An ideal preparation is to manure a was left unclipped at the third clipclover sod the year previous to sowing ping. The piece that was clipped twice alfalfa, and plant to corn or potatoes looked best at beginning of winter and and keep clean of weeds, and if soil the following season produced nearly does not blow and wash with rains, double the amount per acre of hay that plow late in the fall about one inch the part did that was clipped three



Harvesting a Crop of Fine Alfalfa Hay on the Farm of Mr. Marvin. He Took Twenty-three Tons from Ten Acres the First Cutting.

thorough dragging. Sow early in the weeds and grass .- O. W. MARVIN. spring, as soon as soil is in fit condition, in order to get ahead of the weeds, using about fifteen pounds of good clean seed per acre.

We have made a few comparative tests of alfalfa seed to determine the production and hardiness of the different strains of seed, and with us good northwestern grown seed of common alfalfa has done as well for us as any of the high-priced seed of Grimm. Have tested five different strains on a small scale. Sow alone broadcast and cover with spike-tooth drag or drill seed in any way so as seed is sown evenly and cover one or one and a half inches deep.

Some have good success using one bushel of oats or barley per acre. If we wait until June or July the weeds usually come also and are liable to injure the alfalfa. If weeds come bad, clip and leave clippings on the ground.

First of August, if ground is moist and timely showers appear, is a very favorable time to sow. Sow early so alfalfa will get well rooted before winter sets in. For winter protection when the ground freezes, apply six or eight spreader loads of strawy manure per acre.

lating the seed and be careful not to mazoo Association is third with 700 expose seed to sun and wind before pounds of milk, and twenty-eight covering the seed. It is a good plan to mix some alfalfa seed with the seeds of clover and timothy. It will show where alfalfa can be grown suc-

Back in the spring of 1910 we sowed three pints of alfalfa seed per acre with the seeding of medium clover and it grew well. One seed produced sixtyone stalks and another fifty-one. Being thin on the ground it branched wonderfully. In the fall of 1911 this soil was plowed six inches deep. In much larger than during the first sevthe spring of 1912 was thoroughly fit- en years.

deeper than when sod was plowed, in times. After alfalfa is sown one year order to bring up the vegetable mat- it can be dragged early in the season ter that was plowed under. Or, if left with spring-tooth harrow if weather to plow in the spring, plow early so as conditions are favorable. Dragging into get a solid seed bed by rolling and creases the crop, and also keeps down

REGISTER THE CALVES.

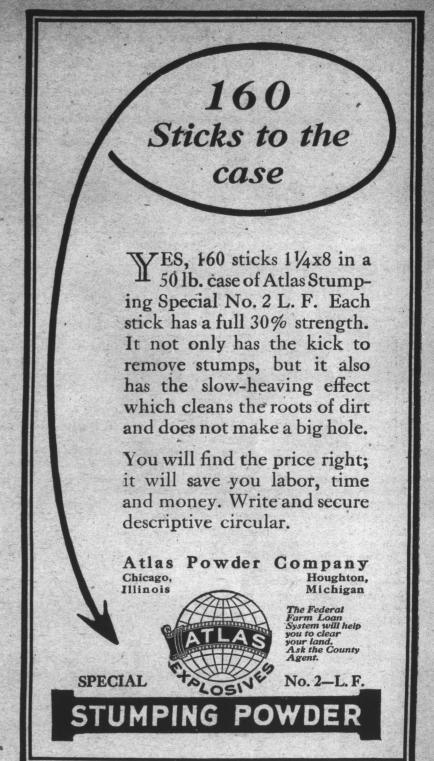
W HERE one is producing purebred cattle, it pays to register the calves as soon after birth as possible. Practically all the dairy breeds make a lower rate for young animals than for older ones. This saving can be made by registering early. Besides, where one looks after this duty before turning the calves to pasture, he avoids the possibility of making an error in identifying the different animals.

WAYNE LEADS.

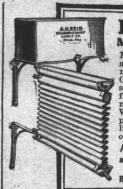
R EPORTS from the cow-testing associations of Michigan for the month of January show that the monthly average production of milk for all cows was highest in the Wayne county association. Mr. J. H. Matheison, the tester, reports the average for the 182 cows under his supervision to have been 912 pounds of milk for the month. The total fat was 33.9 pounds. The Wayland Association ranks second with an average milk production of 881 pounds and the aver-Use the bacteria culture for inocu- age butter-fat 31.9 pounds. The Kalapounds of butter-fat.

INFLUENCE OF LIME IS LASTING.

T has been observed that where lime has been applied in fairly liberal quantities to soil, the soil shows the beneficial effects for a number of years afterwards. In long-time tests made by the Ohio Experiment Station the crop yields during the last six years of a thirteen-year period were







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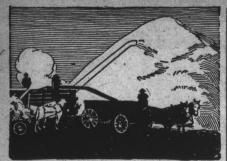


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Write for Free Circulars Nichols & Shepard Co. (In Continuous Business Since 1848) Builders exclusively of Red River Special Threshers, Wind Stackers, Feeders, Steam and Oil-Gas Traction Engines.

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PROTECTING LEATHER GOODS.

T is important to keep leather from mildewing. The mold will not do serious damage, however, unless it remains too long. The simplest plan to follow is to store the leather in a wellventilated, dry, well-lighted place, preferably one with an exposure to sunlight. Mold makes little growth where there is plenty of sunshine.

Where mildew has developed on leather, it should be wiped off with a damp cloth or washed off with soap and water. The leather can then be oiled lightly with castor oil or neat'sfoot oil and well dried afterwards.

EUROPEAN FOOD SITUATION.

HE winter grain crops of Europe with the exception of Germany and the Netherlands, are reported to have made favorable progress during the month of March. In Germany the ground was exposed to late frost with injury to wheat and rye. It is also reported that a great shortage of farm help may follow the keen demand for factory hands in that country. This may reduce the sugar beet acreage and lessen the ability of Germany to re-enter the sugar export trade on a broad scale this year. The Italian wheat harvest can be no more than a fair crop, while Rumania's acreage is much below that of last year.

POTATO MOVEMENT IS LARGE.

THE average daily shipment of potatoes from producing sections is now totaling six hundred cars per day. This volume will be reduced, however, since supplies are rapidly decreasing in volume in the majority of the districts. The total potato movement of last season has already been exceeded by about five thousand cars. Since the first of the year a total of sixty thousand cars has been handled. The leading markets report ample supplies and prices are from steady to slightly weaker over the country.

GASES FOR FORM ENEMIES.

WE have looked upon the deadly gases developed for war purposes as a distinct enemy to mankind. This may, however, prove out to the contrary. The bug men and other scientists are now cooperating with the gas people of the war-department to see what may be accomplished in the use of these gases to kill destructive birds, rats, woodchucks, gophers, insects and other noxious pests.

JIM CROW-HOW TO TREAT HIM.

(Continued from page 607). well when the starch begins to thicken. This paste is poured on the corn and stirred into it until thoroughly distributed. The corn is spread to dry and is then ready to use.

This method is better than the old one of steeping the corn in a strong strychnine solution. Because of their wariness it will not be possible to kill many of the crows, but a little of this poisoned corn scattered over the field of sprouting corn will get a few of them and the rest will take the warning and leave. Using whole corn for bait lessens the danger of poisoning smaller seed-eating birds. Care should be taken not to distribute the poisoned grain near the farm buildings where domestic animals might pick it up. The crows usually do their corn pulling at some distance from the buildings.

Before going ahead with poisoning operations which involve the spreading of poison it is always advisable to look up laws and local regulations regarding the distribution of poison. Local conditions may modify practices a great deal, especially in thickly populated regions.



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\$2.00. express 1000 to 4000 at \$1.50 per 1000, 5000 to 9000 at 25 per 1000, 10,000 and over at \$1.00 per 1000, Prompt pments and satisfaction guaranteed, order now. P. D. FULWOOD, Tifton, Ga.

WORLD EVENTS IN PICTURES



President John L. Lewis, of the United Mine Workers of America, tells members of House Labor Committee all about the mine situation. Mr. Lewis is in the center of the group.



The American Forestry Association presents to France and England a hundred million Douglas fir tree seeds to reforest their lands which were stripped of trees during the war.



Japan's most beautiful woman, the wife of T. Conroy, English professor in a Tokyo university.



Main street in Point Pleasant, Ohio, where General Grant was born and where President Harding will speak on the Grant Centenary celebration. His speech will be broadcasted by radio.



Mr. Wettlerg, who wins \$10,000 after world tour which was started in 1914, with one cent.



The Swiss are enthusiastic about glider planes. It seems as if the Swiss Alps are particularly adapted as jumping off places for this mode of transportation and sport.



Here is the first picture of Pope Pious XI in the Vatican gardens in Rome. He was taken as he was reviewing the papal guard with his officers and advisors.



"Uncle Joe" Cannon, famous congressman is such a radio enthusiast that he sometimes forgets his ever-present cigar,



Miss Eugene Dennis, a highschool girl, whose psychic powers have astonished scientists.



Miss Lilly Raynor is christening the airplane which Captain Amundsen, famous explorer, will use in polar explorations.

THE BLIND MAN'S EYES

Bankananananananananananan g CHAPTER XXIII. Not Eaton-Overton.

ANTOINE awoke at five o'clock. The messenger whom he had despatched a few hours earlier had not yet returned. The blind man felt strong and steady; he had food brought him; while he was eating it, his messenger returned. Santoine saw the man alone and, when he had dismissed him, he sent for his daughter.

Harriet had waited helplessly at the house all day. All day the house had been besieged. The newspaper menor most of them-and the crowds of the curious could not be kept off; but others-neighbors, friends of her father's or their wives or other members of their families-claimed their prerogative of intrusion and question in time of trouble. Many of those who thus gained admittance were unused to the flattery of reporter's questions; and from their interviews, sensations continued to grow.

The stranger in Santoine's housethe man whom no one knew and who had given his name as Philip Eatonin all the reports was proclaimed the murderer. The first reports in the papers had assailed him; the stories of the afternoon papers became a public clamour for his quick capture, trial and execution. The newspapers had sent the idle and the sensation seekers, with the price of carfare to the country place, to join the pack roaming the woods for Eaton. Harriet, standing at a window, could see them beating through the trees beyond the house; and as she watched them, wild, hot anger against them seized her. She longed to rush out and strike them and shame them and drive them away.

The village police station called her frequently on the telephone to inform her of the progress of the hunt. Twice, they told her, Eaton had been seen, but both times he had avoided capture; they made no mention of his having been fired upon. Avery, in charge of the pursuit in the field, was away all day; he came in only for a few moments at lunch time and then Harriet avoided him. As the day progressed, the pursuit had been systematized; the wooded spots which were the only ones that Eaton could have reached unobserved from the places where he had been seen, had been surrounded. one by one. Through the afternoon, Harriet kept herself informed of this search; there was no report that Eaton had been seen again, but the places where he could be grew steadily fewer.

The day had grown toward dusk, when a servant brought her word that you get it?" her father wished to see her. Harriet went up to him fearfully. The blind man seemed calm and quiet; a thin, square packet lay on the bed beside him; he held it out to her.

By William MacHarg and Edwin Balmer

Copyright by Little Brown & Company

She snatched it in dread; the shape of the packet and the manner in which it was fastened told her it must be a photograph. "Open it," her father di-

She snapped the string and tore off

She stared at it, and her breath left her; she held it and stared and stared, sobbing now as she breathed. The photograph was of Hugh, but it showed him as she had never seen or known him; the even, direct eyes, the good brow, the little lift of the head were his; he was younger in the pictureshe was seeing him when he was hardly more than a boy. But it was a boy to whom something startling, amazing horrible had happened, numbing and dazing him so that he could only stare out from the picture in frightened, helpless defiance. That oppression which she had felt in him had just come upon him; he was not yet used to bearing what had happened; it seemed incredible and unbearable to him; she felt instinctively that he had been facing, when this picture was taken, that injustice which had changed and manner told her nothing. him into the self-controlled, watchful man that she had known.

So, as she contrasted this man with the boy that he had been, her love and sympathy for him nearly overpowered her. She clutched the picture to her. pressed it against her cheek; then suddenly conscious that her emotion might be audible to her father, she quickly controlled herself.

"What is it you want to know, father?" she asked.

"You have answered me already what I was going to ask, my dear," he said to her quietly.

'What, father?"

"That is the picture of Eaton?" "Yes."

"I thought so."

She tried to assure herself of the shade of the meaning in her father's tone; but she could not. She understood that her recognition of the picture had satisfied him in regard to something over which he had been in doubt; but whether this was to work in favor of Hugh and herself-she They were being searched carefully thought of herself now inseparably with Hugh-or whether it threatened them, she could not tell.

> "Father, what does this mean?" she cried to him.

"What, dear?"

"Your having the picture. Where did

Her father made no reply; she repeated it till he granted, "I knew where it might be. I sent for it."

"But-but, father-" It came to her frightened she grew. now that her father must know who

Hugh was. "Who-"

"I know who he is now," her father said calmly. "I will tell you when I can."

"When you can?"

"Yes," he said. He was still an instant; she waited. "Where is Avery?" he asked her, as though his mind had gone to another subject instantly.

"He has not been in, I believe, since noon.

"He is overseeing the search for Eaton?" "Yes."

"Send for him. Tell him I wish to see him here at the house; he is to remain within the house until I have seen him."

Something in her father's tone startled and perplexed her; she thought of Donald now only as the most eager and most vindictive of Eaton's pursuers. Was her father removing Donald from among those seeking Eaton? Was he sending for him because what he had just learned was something which ate the search? The blind man's look

"You mean Donald is to wait here until you send for him, father?"

"That is it."

It was the blind man's tone of dismissal. He seemed to have forgotten the picture; at least, as his daughter moved toward the door, he gave no direction concerning it. She halted. looking back at him. She would not carry the picture away, secretly, like this. She was not ashamed of her love thought of him, she trusted him; she was proud of her love for him.

"May I take the picture?" she asked steadily.

"Do whatever you want with it," her father answered quietly.

And so she took it with her. She found a servant of whom she inquired for Avery; he had not returned so she sent for him. She went down to the deserted library and waited there with the picture of Hugh in her hand. The day had drawn to dusk. She could no longer see the picture in the fading light; she could only recall it; and now, as she recalled it, the picture itself-not her memory of her father's manner in relation to it—gave her vague discomfort. She got up suddenly, switched on the light and, holding the picture close to it, studied it. What it was in the picture that gave her this strange uneasiness quite separate and distinct from all that she had felt when she first looked at it, she could not tell; but the more she studied it, the more troubled and

The picture was a plain, unretouch-

ed print pasted upon common square cardboard without photographer's emboss or signature; and printed with the picture, were four plain, distinct numerals-8253. She did not know what they meant or if they had any real significance, but somehow now she was more afraid for Hugh than she had been. She trembled as she held the picture again to her cheek and then to her lips.

She turned; some one had come in from the hall; it was Donald. He was in riding clothes and was disheveled and dusty from leading the men on horseback through the woods. She saw at her first glance at him that his search had not yet succeeded and she threw her head back in relief. Donald seemed to have returned without meeting the servant sent for him and, seeing the light, he had looked into the library idly; but when he saw her, he approached her quickly.

'What have you there?" he demanded of her.

She flushed at the tone. "What right have you to ask?" Her instant impulse had been to conceal the picture, but that would make it seem she was would make more rigorous and desper- ashamed of it; she held it so Donald could see it if he looked. He did look and suddenly seized the picture from

"Don!" she cried at him.

He stared at the picture and then up at her. "Where did you get this,

"Dón!"

"Where did you get it?" he repeated. "Are you ashamed to say?"

"Ashamed? Father gave it to me!" "Your father!" Avery started; but if anything had caused him apprehenfor Eaton; whatever might be said or sion it instantly disappeared. "Then didn't he tell you who this man Ea-

His tone terrified her, made her confused; she snatched for the picture but he held it from her. "Didn't he tell you what this picture is?"

'What?" she repeated.

"What did he say to you?"

"He got the picture and had me see it; he asked me if it was-Mr. Eaton. I told him yes."

"And then didn't he tell you who Eaton was?" Avery iterated.

"What do you mean, Don?"

He put the picture down on the table beside him and, as she rushed for it, he seized both her hands and held her before him. "Harry, dear!" he said to her., "Harry, dear-

'Don't call me that! Don't speak to me that way!"

"Why not?"

"I don't want you to."

"Why not?"

She struggled to free herself from

(Continued next week).

AL ACRES-Al Finds a Way to Renew Slim's Interest in the Farm



RURAL HEALTH

By Dr. C. H. Lerrigo

BLOOD PRESSURE.

THERE are many reasons why the blood pressure is an important item to consider in standards of health. It is an indication of the power of the heart beat. It is an index to the resistance or elasticity of the arteries. It tells something as to the total volume of blood in the body. It has been demonstrated that there are certain degrees of blood pressure that are normal to the healthy individual and that a variation of more than a few degrees, especially a variation upward, is a warning symptom.

Blood pressure varies a few degrees for many factors. It varies with age, sex, excitement, weakness, hunger, heat,-cold, nervousness, hour of the day and other conditions.

A fair, general estimate of normal blood pressure is 120 for a person twenty years old, with addition of onehalf point for each increasing year of age. In order to make sure of the normal pressure for an individual he should be examined at least three

A low blood pressure often indicates valvular heart affection, anemia, debility or chronic weakness

The common error in blood pressure is that of being higher than normal. It is very important to discover the increased pressure early. A few added millimeters of pressure constantly maintained, soon adds enormously to the burden placed upon the circulatory

Adults are beginning to make a practice of having blood pressure tested at least once each year so that errors may be detected and remedied before serious damage has been done. If an irregularity is found before it has progressed very far the doctor has a chance to find the source of the trouble and correct it, to order changes in diet, perhaps to insist upon relief from overwork. Overwork and worry are among the chief causes of high blood pressure, and the mere act of giving relief from them often causes prompt response. There are certain articles of diet that always make the blood pressure go up. The use of tobacco and alcohol are quite decided in their ill effects.

The great thing is to find and remove the cause of the increased blood pressure while the matter is still incipient and thus the patient may be given many more years of life if not a complete cure.

REMOVING MOLES.

I am a girl fifteen years of age. have so many moles on my face and neck. I would like very much to remove them, as they are black and are seen so plain. Do you advise the use of acids on them or what would remove move them without leaving a scar?-

Moles always have a possibility of malignancy in them. Their treatment be attempted by an amateur. The most effective and cleanest treatment is by the electric needle. There is no great pain accompanying the treatment. The use of carbon dioxide snow-a method of freezingis effective in the hands of a skilled physician. Moles can be cleared away and a sensitive girl will get enough satisfaction out of the improvement to make it well worth the money.

B. L. T.—In this column I can only answer letters of general interest. If you send a stamped return envelope, I will give you a reply.

特国第二世界

OR AN

URING CAR

WHO ARE THEY?

- 1 MAIL HER B DRESS CHART MAN GOT REAL MAD
- NOT THY DOOR LADNO BEE IN RUGEE
- **TO ARE NOT IN MOON**
- **BLOOMS SAWA GRIN**
- DAM NO LARD IN THE CAKE I WILL SELL AS RUM
 OBENT MOST COPY



10 IS

You Solve This Movie

On the Movie Screen above are the names of 10 Movie Stars rearranged. The operator played a joke on the audience, and you'll admit it was a good one.

TO SOLVE THE PUZZLE, rearrange the letters in the funny sentences on the screen so that they will spell each actor's or actress' name. For example: No. 10 is Betty Compson. If you can name all ten stars you can win the Oakland car or \$1,000.

Probably you know the names of the most popular stars, but just to refresh your mind we are mentioning below a few of the most famous players: Douglas Fairbanks, Betty Compson, Elsie Ferguson, Norma Talmadge, Antonio Moreno, Charlie Chaplin, William Russell, Gloria Swanson, Anita Stewart, Richard Barthelmess, Katherine MacDonald, Irene Castle, Dorothy Dalton, Harold Lloyd, Eugene O'Brien, Irving Cummings, Wallace Reid and Mary Pickford.

185 "Points" Wins First Prize

You will receive 10 "Points" toward the Oakland Touring Car or the \$1,000 for each name you arrange correctly, or 100 "Points" if you arrange all 10 names correctly. You can gain 60 "Points" more by qualifying your answer. This is done by proving you have introduced HOME FOLKS, an interesting and educational magazine for the Home, to five people. The final 25 "Points" will be awarded by three judges, not connected with this company, to the person making up the nearest correct list of words from the initials of the first and last name of each Movie Star. But DO NOT send in your list of words now. Send us your answer to the Puzzle first and we will write and tell you how to get up your word list.

Costs Nothing to Try—You Can Win

You will not be asked to subscribe to HOME FOLKS or spend a single penny of your money in order to win. We merely want your help in introducing Home Folks to five of your friends. Just write your answer to the Movie Puzzle on one side of a sheet of paper and PRINT your name and address in the upper right hand corner. The answer gaining 185 "Points" will win the Oakland or the \$1,000. There are 25 Big Prizes in all. In case of a tie, all tieing contestants will receive the same prize. Do your best and you can win. Contest closes May 27, 1922. Answer the Puzzle NOW and send your answer to:

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Woman's Interests

Spring's Choicest Offerings

with the salad lover, lettuce has grown wanted, shake vigorously. in grace since the newer knowledge of nutrition has pointed out the value of leafy vegetables in the diet, and analysis has shown that lettuce contains fat soluble A, the vitamine which prevents ophthalmia. In so far as cell building or energy giving properties is concerned lettuce would not be classed high. It contains but one per cent protein and 2.5 per cent carbohydrates, and its fuel value is but seventy-five calories per pound; according to Atwater. It is valuable as a food, however, because of its vitamines, and because it gives "balance" to many a meal which would otherwise consist almost exclusively of carbohydrates and proteins.

Lettuce may be served in so many tempting ways, it seems a pity that in many homes it appears only with the inevitable accompaniment of vinegar, pepper, salt, and perhaps sugar. It may be served as greens, cooking as you would beet greens or spinach, cooked with bacon and served as a hot dish, or made into many dainty salads.

Lettuce and bacon is quickly prepared. For a family of five cut thin slices of bacon into bits, preparing from a half cup to a cup, depending upon the ability of the family to digest fat. Put the bacon in a frying pan and stir until well crisped. Add a half cup of vinegar, a teaspoon of salt, a dash of pepper, and then the lettuce which has been torn or cut into ribbons. Stir constantly for five minutes, and serve at once. Some cooks thicken the vinegar and fat with a level teaspoon of flour before adding the lettuce.

Lettuce with Sour Cream Dressing. To one cup of sour cream add a half cup of vinegar, a half cup of sugar, a teaspoon of salt and a dash of pepper. Stir until sugar and salt are dissolved. Shred two stalks of lettuce, put in salad bowl, and pour on the dressing. Tess with two silver forks, the world. until every bit of lettuce is coated with the dressing.

Thousand Island dressing is the first choice of many salad lovers. Beat the yolk of one egg, one-half teaspoon of dry mustard, one teaspoon of salt, and two teaspoons of sugar until creamy. Then add one cup of oil, a few drops at a time, beating constantly with egg beater, or in one of the cream whips. This should get of the consistency of butter, if oil is not added too rapidly. If too much is added at a time it becomes thin. When all the oil is added, thin with the juice of one lemon, SHORT CUTS TO HOUSEKEEPING. and add one cup of chili sauce, homemade or store. The prepared chili sauce is nicer than home-made for this dressing. If it seems too much work to make the dressing, a bottle of salad dressing may be used.

If you like oil dressing, here is one in a cold place, shaking well when used. Beat one teaspoon of salt, two of sugar, and four tablespoons of oil until creamy. Then add three teaspoons of vinegar or lemon juice and up the water.—M. A. P. beat until thoroughly mixed. This is spoons of salt and eight of sugar. A aching.-L. M. T.

NE of the earliest and most plen- dash of paprika added to this dressing tiful of vegetables in Michigan is an improvement. Keep the dressing is lettuce. Always a favorite in a wide-mouthed bottle, and when

Lettuce cut in fine ribbons makes a base for many other salads. To cut, lay several leaves together on the meat board, and cut across with a sharp meat knife. A nest of lettuce piled with finely chopped beets and topped with yellow boiled dressing makes a pretty and delicious salad. Or finely-chopped carrots and an equal amount of cold cooked peas may be used instead of beets.

Lettuce and egg salad is easily made, and might form the principal supper dish on a warm spring night. Cut cold boiled eggs in half, lengthwise. Remove the yolks and mash. Mix with an equal quantity of chopped cold ham and return to the whites. Place the whites in a nest of lettuce ribbons, and cover with boiled dressing. Moisten the ham and yolk mixture with some of the dressing. Instead of boiled dressing, a cup of whipped cream into which a teaspoon of grated horseradish has been beaten is liked by many.

PETS AND FLOWERS TEACH CARE.

BOYS have their games, and girls have their dolls, but these do not satisfy the need for something alive, something that grows, and shows the results of care and attention. A kitten, a puppy, some rabbits, a few white mice, whichever suits the needs of the family best can be easily supplied, if the mother thinks it over. Of course, it will be a little more care for a mother in one way for she must see to it that the child does not shirk the responsibility after the novelty wears off, but with gentle firmness the child's own "growing thing" may become the means of helping towards an understanding and realization that all helpless things need constant, steady love and care from the stronger ones of

A small bed of pansies was given to a little girl one spring day, and she was told it was her flowerbed to care for. Her mother suggested that she supply the table with pansies, picking a few at a time for a low dish. then showed the child how to combine colors to make lovely effects. The little girl learned many things about flowers that summer and tended her garden faithfully, with love in every touch she gave the pansies.-National Kindergarten Association.

If you desire to save feathers from chickens or turkeys, it is a good plan to shear the fowl before scalding, leaving pin feathers and quills in the fowl. -Mrs. F. C. T.

A neat way to keep the oilcloth on that is quickly made, and may be kept the kitchen table clean is to paste it instead of tacking it on. I have discovered that it will wear much longer, as it cannot move and wrinkle when wiped and it does not crack and soak

An equal mixture of taleum powder just enough for one meal. If you wish and baking soda sifted inside the hose to make it to set away, use a half cup before one starts on a long walk will of oil, a third cup of vinegar, four tea- keep the feet from growing tired and

What Think You of Christ?

Our Weekly Sermon-By N. A. McCune

of the Michigan Farmer. It is a slowly, for the most part. good letter, too, and indicates thinking on religious things. So many people take their religion for granted, and do no thinking about it at all, save to criticize the parson's sermons occasionally, that it is refreshing to come upon the individual who does some thinking for himself. And this correspondent writes on the chief of religious questions, "What think ye of If I were an unbeliever I would certainly be perplexed about one thing, namely, that Jesus Christ will not down. He appears at every turn, and refuses to be silenced. Men

cannot be ignorcannot escape Him. If He is God He is surely a mighty figure, for men discuss Him, write about Him, refer to Him as the only perfect standard, to a degree that is true of no other figure in history. He or if He is not,

"He could not be hid."

Says our correspondent: "The fourth gospel, Chapter 1, verse 45, proclaims Jesus in no uncertain_language, to have been the son of Joseph. Matthew and Luke trace the genealogy of Jesus through Joseph to King David, and though they are not agreed in many points the inference is inescapable that Joseph was his father. Whence, then, this persistent effort to make the Jesus of history out something that he was not?"

Before attempting to answer this, let me suggest one or two recent books on Christ that are invaluable to any one who wants to get a new and fresh view of Jesus. Two books by Dr. T. R. Glover, an English scholar (not a minister), are exceedingly interesting and gripping. They go deep, but in plain, every-day language. They are, "The Jesus of History," and "Jesus in the Experience of Men." Another is "The Carpenter and His Kingdom," (which I hope to review in this department in a week or two), by Alexander Irvine. No one can read such books down without getting a new and deeper insight into the greatness of the Master of men.

THE question as to Christ's Deity is one of perennial interest. _ Each generation must settle it for itself. The fact that He was the son of a human father would in no way discredit His claims to being the Son of God. If it was God's plan that He should be born of human parents that would simply be God's way of ushering Him into the world. 'The "persistent attempt to make the Jesus of history out of something He was not," is really reversed. The New Testament makes Him out to be more than man, but men are continually attempting to outreach of the individual soul. reduce Him to the level of the great man or the prophet, shorn of deity. The picture presented to us in the gos- and at the same time entertain erronpels and indorsed by St. Paul is that eous conceptions of the Trinity." Look of a super-human being. Of course, at the men who "have been mastered the end that he must believe this. The are the big brains, the big hearts, the whole picture is such that it makes its big personalities of history. The own impression. John's gospel is a Christian church needs not to apolostudy of belief and unbelief, belief gize for them. You can start with leading on to positive assurance at Paul if you want, and come on through last that He is the Christ, and unbelief the long list. Christianity was not leading into the darkness of spiritual two hundred years old until it had death. Compare John 20:28, where gripped such men as Irenaeus, Ter-Thomas exclaims, "My Lord and my tullian the lawyer, Justin Martyr, and God," with 13:30, where night falls on a host of others. The line has contin-Judas, the night of spiritual death. It ued to lengthen.

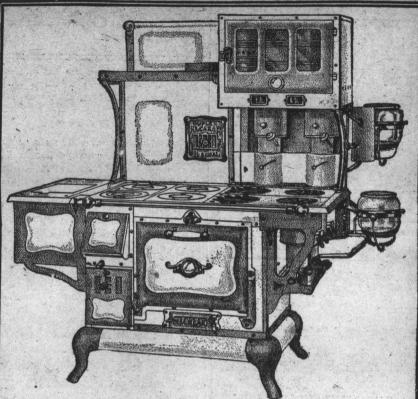
LETTER lies before the writer, was not easy for these men to believe. recently received from a reader. The whole thing came to them very

> Our correspondent also speaks of the fall of man: "Why, in the face of the revelations of science, do the churches still speak about the 'fall of man?' Why has woman been looked down on as being inferior to man, and has had to struggle against superstition and ignorance, for thousands of years because of her alleged betrayal of the human race in an impossible garden." I will give in the words of an eminent American theologian a statement as to the fall of man. This writer is but recently dead. "Doubtless," he says, "we have here, in this Scripture account, a world-tradition which is not to be taken as in bald literalism; but I can see no forcible reason why it may not be a picture-narrative of actual fact. Why may it not be solid history in naive drama?" A little later he says, "I will give an analytical statement of my full view: 1, this scriptural account of the creation and fall of man is a record of historic facts; 2, these facts of narration are given in naive dramatic form, 'the primitive style of narration characteristic of the age in which it was written'; 3, the account was handed down from the beginning as a world-tradition based on an original revelation from God; 4, this world-tradition was at last cleansed under the inspiration of the Holy Spirit."

THE same account in a very crude and almost obscene form is given by some ancient pagan faiths. That is what Dr. Custis means by saying it was cleansed by the Holy Spirit. This may give our inquirer some helpful points. The biblical treatment of woman was considered in the issue of February 4. Woman was mistreated because of the selfishness and brutality of her masculine mate. And her condition was never much bettered until through the influence of Christianity. We are told today by missionaries in Mohammedan countries that one of the favorite sayings of the Turk is, that to educate a woman is like putting a knife in the hands of a monkey. A few years ago I saw in a religious paper the photograph of a Mohammedan farmer of North Africa plowing with his wife (one of his wives) hitched to the plow beside a donkey.

The writer of these inquiries says that he does not ask anyone to agree with him. I have every respect for the man who honestly has difficulties on the question of Jesus Christ's personality, I mean as to whether he was or was not really the Son of God. Christ himself had very great patience with all such, yet what joy he expressed when some one did glimpse the fact that he was the Son of the living God. It is something that we cannot force any one to accept, and it would avail nothing if we did have the power to so force them. It must come by the

It is possible as John Wesley said, "to attain to a high degree of holiness there is no compulsion on any one to by Christ." They are legion. They



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J. H. STRANG. Lakeview, Mich.

Additional Farm Ads. on Page 537

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wy White Rocks Fishel Strain, dandy layers, 150-15; \$3.75-50; \$7.00-11 prepaid. Mrs. Earl Dehnhoff, Vanburen Ohio.

Our Boys' and Girls' Page

More Money Making Stunts

By the Stunters

Some good ones came too late to be coming season. considered and others lost out by a shade. When space permits others will be printed.—Uncle Frank.

Age 13 Years.

myself. I had tried several plans which were not always successful.

But last year I succeeded in "My Most Profitable Money-making Stunt." We had never raised turkeys on our farm so I decided to try turkey raising on a very small scale. I got five eggs from a neighbor and set them under a hen. When hatching time came, May 27, I had five little turkeys, all-husky and smart.

Beside a pile of gravel I fixed a coop for my little family, which separated them entirely from all the other fowl with the greatest care, following the directions for turkey raising. My pets flourished. I could almost see them

They had no drawbacks until September, when cholera struck our poul-For a few days it looked as if my hopes were doomed to disappointment. recover and by Thanksgiving time they gobbler which weighed twelve pounds and considered himself the "boss" of season. the vard.

ERE are two of the many good saved enough of this money to buy money-making experiences I re- ten eggs this spring and I am hoping ceived in the recent contest. my luck stays with me through this

> By Charlotte R. Stables, Traverse City, Michigan.

When I started in my second year By Joy Walker, Sandusky, Michigan, in high school I was accompanied by my younger sister, who was starting I like to make a little pin money for her first year. It was necessary for us to earn at least a part of the money which we spent. We hit upon a novel way of earning it which may be of use to others.

> First we rented three rooms, which were furnished, near the school house. My sister took care of the house and prepared the meals, leaving me free to do other things.

I would go to school about one and one-half hours before school opened in the morning and dust the superintendent's office and the other rooms on the first floor. In the afternoon after school on the farm. I fed and watered them I swept these same rooms and on Saturdays I washed the blackboards which they contained.

When the lecture course season came on my sister speht about one hour each evening for a few weeks selling tickets and in this way earned Three of my turkeys were affect- our tickets for the year, and a few dollars besides.

At the end of the year when we bal-But after much dosing they began to anced our books our total expenses had been \$204 and the money that we were a fine sight, especially one young earned amounted to \$153 besides our tickets to the lecture course for the

This is about the best money-making I marketed two of them before experience I ever tried, and although Thanksgiving and the other three a it was hard at times, if one really few days before Christmas. The five wants an education badly enough to go turkeys brought me \$17.73. I have after it, he can get it.

New Handicraft Bulletin



OYS and girls of Michigan can rollment of 1,710 members in thirty make helpful tools- and utensils four counties. of many descriptions for mother new Handicraft Club Bulletin which is now ready for distribution from the office of the State Boys' and Girls' club leader at M. A. C.

Any boy between the ages of ten member of the handicraft club and Handicraft club members between the carry out the exercises so thoroughly outlined in the new bulletin, learning the use of tools, and how to make such useful things as buggy-jacks, wren houses, bench hooks, neck-tie racks and many other simple and extremely useful things.

Michigan in 1917 under C. A. Spalding. has led the thirty-three northern and 168 handicraft clubs with a total en-

The accompanying illustration of and dad if they take advantage of the the closing exhibit of handicraft club work shows in a fine measure the good work that can be accomplished by the boys who like to handle a carpenter's

The instruction is divided into two irst and second-year work. ages of ten and fourteen inclusive, will be called the Junior Handicraft Club members and will be required to complete five of the exercises offered for the junior class besides the preliminary exercise—the bench hook which is required. Those members be-Handieraft club work started in tween the ages of fifteen and eighteen years inclusive will be known as Sen-For four consecutive years Michigan for Handicraft Club members and must complete three of the exercises offered western states in this work and dur- in the senior class besides the bench ing the last winter this state has had hook which is required as a preliminary exercise.

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Big Value Baby Chicks

OHLS POULTRY YARDS and HATCHERY

Bural Baby Chicks & Pullets

Thoughts and Comments

By Uncle Frank

ord-breaking bunch of contest letters. it necessary for me to get right down And what pleased me most was that to fine points and made my decisions many of them contained real letters rather difficult. which told about many interesting things.

of my Boy and Girl Department associations than the reading of these letters. And I want to assure you that I read them all. My great regret is that I cannot give all of these letters personal replies. This is impossible, especially when they come in unexpected quantities. So, I hope that those who have written and not received a reply will consider this as such.

Dorothy Hake asks as follows: "I do not know whether any boy or girl may enter your contests, or whether only those you call your nieces and nephews. What do you have to do or pay to become a niece?"

Others have asked similar questions, so I answer as follows: You are a niece already, Dorothy, if you want to be. Every boy and girl is welcome to be a nephew, niece or pal. All I ask is that the young folks be interested in helping to make this department helpful to them. In the doing of this I am sure we will all get a lot of enjoy-

This week many have joined the family and have tried the contests for the first time. To all of them I extend sincere welcome and it is my, hope that they will take an active interest in the department so that they may better enjoy associations with it. The contest this week was really too

CERTAINLY am feeling happy this easy. A great many of the boys and week. This is because I got a rec- girls got the right answers. This made

The Winners.

No greater pleasure comes to me out prizes in our contest of April 15:

Iva Miles, Grand Ledge, Michigan. Helen E. McKie, Constantine, Mich. Elva L. Griffin, Bates, Mich. Louis J. Simonich, L'Anse, Mich. Everett Dunn, Ewell, Mich.

THIS WEEK'S CONTEST.

We all enjoy riddles. So, this week, I give you some below to solve. The five best answers from boys or girls will win one dollar each. Send your letters to Uncle Frank, the Michigan Farmer, Detroit, Michigan.

1. What is the longest word in the dictionary?

2. What is next to nothing?

3. What always runs but never walks, has a tongue but never talks? 4. What is round at both ends and high in the middle?

5. What is it that has a tongue and eyes but can not talk or see?

THE ANSWERS.

Here are the correct answers to the Read-and-Win Contest of April 15:

Read-and-Win Contest of April 15:

1. Love for the faith, page 16.
2. In seven counties, page 20.
3. A good teacher, page 11.
4. The Goldfinch, page 22.
5. Vinegar, page 25.
6. Hubam clover, page 5.
7. Rabbit, page 24.
8. Better care and feeding, page 26.
9. Forty per cent, page 28.
10. Bread and milk, page 3.

Pure Bred Tom Barron English White Leghorn

Start RIGHT with Pure Bred Stock

All Flocks Tested and Culled by Experts The Best that Money Can Buy

Imported Direct by us Free Range Birds that Pro duce Healthy Vigorous Chicks Shipped Prepaidto your Door. Live Arrival Guaranteed,

Our flocks are headed by pedigreed males



Write Today for Free Catalogue We guarantee complete satisfaction-or refund your money. Also heavy laying strains of

S. C. BROWN LEGHORNS and S. C. MOTTLED ANCONAS

Make a Success With Superior Baby Chicks Superior Poultry Farms & Hatchery, Box 2053, Zeeland, Mich.

Ancona

The S. C. Anconas have proved to be the most valuable fowl for the farmer today. We have the Bred-To-Lay Sheppard Strain, and are offering these chicks at extremely low prices, let us have your order and prove to you the wonderful laying ability of our birds.

For those who prefer S. C. White Leg-horns we have some of the very best stock obtainable. Get some of our chicks and you will be on the road to success. We pay all Parcel Post charges and guarantee chicks to reach you in first-class condition.

Prices of Selected Chicks for May.

S. C. Anconas S. C. White Leg.

per 50 \$7.00 \$6.50 per 100 \$13.00 \$12.00

Order direct from adv. Prompt shipment. Satisfaction guaranteed.

M. D. Wyngarden,

R. 4, Zeeland, Michigan

Our Letter Box

T HIS letter box will be where the boys and girls can express their views, tell of themselves and things about the farm, or ask advice. The most interesting letters each week will appear here. Address your letters to me.—Uncle Frank.

Dear Uncle Frank:

Dear Uncle Frank:

I am a girl, ten years of age, and in the sixth grade. I found all the misspelled words I could find, but the most misspelled words were on page two. I would be pleased if I should happen to win the prize.

I like the letter that Helen Moerdyk wrote in the last Michigan Farmer.—Dorothy Caie, Saranac, Michigan.

You did not happen to win this time.

You did not happen to win this time but that isn't saying that you will not some other time. Helen has another letter in this week. Please write more next-time.

Dear Uncle Frank:

Dear Uncle Frank:

The work required in the contests is rightly called "Brain Teasers." If you win you have earned your dollar, and if you don't win you have learned something new each time.

Emerson says: "There is a gain for every loss and a loss for every gain."

Am glad that the boys lead for once, because it seemed that the girls lead in the beginning.

hecause it seemed that the girls read in the beginning.

I read the material of the first ten pages about three times. During the hunt I found several grammatical errors and some slang expressions. On page two, some words were misspelled twice, such as 'cause, 'specially, and kin.—Helen Moerdyk, Oshtemo Mich.

You didn't get quite enough of the words to win this time. I like your Emerson quotation. Emerson is one of my favorite authors.

Dear Uncle Frank:

I have been reading the letters in the Michigan Farmer and enjoy them and the contests very much.

As this is my first letter I will de-

As this is my first letter I will describe myself.

I am four feet eleven inches all and my weight is ninety pounds. I have dark brown hair, blue eyes, a medium complexion with rosy cheeks. I was fourteen years old on March 20. I wonder if any of the boys and girls who read this are my age. If there are any I would like to hear from them. I am in the eighth grade now and ex-

pect to go to high school next year. I live on a 160-acre farm. We have three horses, thirty sheep, twenty-two little lambs, ten head of cattle, twenty

pigs and some chickens.

I hope some of the boys and girls will write to me. I will try and answer all letters.—Muriel Stevens, Perry, all letter Michigan.

There are more boys and girls your age interested in this department than any other. Thanks for the riddles; they are fine.

Dear Uncle Frank:

I am a boy seventeen years of age and was very much pleased with the check and fine letter you sent me the day before yesterday.

I consider myself lucky, as this was

my second entry in your contest.

Several years ago I won three prizes in The Michigan Farmer, which my parents have taken ever since. I can remember and have always enjoyed reading it.
This winter my brother and I caught

about 800 sparrows for which we received \$16 bounty.

I trap small fur-bearing animals every year. This year I have caught eleven muskrats, one skunk, one weasfive or six woodchucks, some rabbits and last spring I captured a nest-ful of young crows, one of which I fed and tamed. He was with us until last fall. He was roosting in the barn and a horse tramped on him. Next spring fall. He was roosting in the barn and a horse tramped on him. Next spring I'll get another one. The antics and merits of a pet crow would fill a book. Did you ever know of anyone that raised skunks? I am going to try it and would be glad to learn anything more of the best methods.

I would like to receive a good long letter from you.—John O. Roberts, Breckenridge, Michigan.

I am glad to hear from you again, John. Yes, skunk farming can be made to pay. Look in our Service Department in the next week or two for information on it. Tell us more about your pet crow. It would make interesting reading.

BROWN'S SMASH PRICES CO PRICES on fencing, CUT gates, roofing Don't buy fencing, roofing or paint until you get our New Special Cut Prices. (8) C. V. Hogan writes: "I saved at least \$200 by ordering from you." Our new





DIRECT FROM FACTORY TO FARM KITSELMAN BROS. Dept. 278 MUNCIE, IND.



We are manufacturers of twenty years' standing, not mail order abbers. We make all kinds of Farm Fencing, Poultry Fen-ing, Ornamental Fencing and Steel Posts, and sell direct to out a prices that dely competition. Buy a guaranteed prod-ct direct and save money! Send for our booklet 75M316. We Pay the Freight.

The Parrish Alford Fence and Machine Co. Knightstown. Indiana.



Berry Baskets save money, buy at factory. Write today for low prices.

REESH-PRINTZ CO., New Springfield, O.

POULTRY

Trap-Nested Strain S.C.W Leghorns: Heavy winter layers, snow white high on shank pelvic hones thin and well spread Baby chicks and hetching Have few choice cockerel's and pullets for sale, shipped on approval. Leonard Sumner, R.2, Box 97, Romulus, Mich.

June Chix CHIX June Chix

JUNE CHIX make big profits for you as many cus-tomers testify

Niles, Mich., Feb. 14, 1922

Simon Harkema and Sons, Holland, Mich. Dear Sirs;

The 7th of June last year we bought 600 chix from you and had splendld success with them. Raised 550, have 100 that have not been culled, began laying Nov-15 and are now laying from 60 to 70 eggs per day. I cockerel and 2 pullets took 1st and 3rd prizes at our poultry show here at Niles, etc.

Mrs. Mark Feighner, Niles, Mich.

SIMON HARKEMA & SON, Holland, Michigan

Baby Chick Prices Slaughtered

English and American Leghorns now \$12.50 per 100 delivered. Anconas \$15.00. Rocks \$17.00. Our flocks cannot be beat-for egg production. Our Anconas are Champions. Only one grade—the best. Special prices for larger orders. Catalogue free.

Progressive Poultry Farms, Box Q, Holland, Mich.

SINGLE COMB WHITE LEGHORNS babyschicks and hatching eggs from our flock of high producing hens raised on free range. Write for cir-cular. RALPH S. TOTTEN, Pittsford, Mich.

Hatching Eggs \$5 per 100.83 per 45, \$1.25 per Wyandottes, W. Rocks, Barred Rocks, W. Leghorns, Healthy heavy layers, farm raised. Please order from ad. Satisfaction. GORET BROS.. Corunna, Mich.

C. Brown Leghorns. Eggs. Lt. 15-\$1.15; 30-\$2; 50.
\$3.10; 100-\$6. Dark 15-\$2.25; 30-\$4. Eng. W. Leghorns. (288 ped, males) 15-\$2.25; 50-\$6. P.P. guar. hens and pullets. egg bred. Cat. free. Vera Fulton, Box 136-M. Gallipolis, O.

Day Old Chicks Anconas
W. Leghorns Ask for our free catalogue and price
B. Leghorns list for May and June delivery.
H. H. PIERCE, Jerome, Mich.

WHITE WYANDOTTES
207 egg average. Eggs all matings, \$2.00 per 15, \$10.00
per 100, Cockerels, hens and pullets \$5.00 each.
FRANK DELONG, R. 3, Three Rivers, Mich.

S. C. Brown Leghorns, excellent layers Vigorous farm range. Selected eggs postpaid 15, \$1,25; 30, \$2,45 \$2,50; 100, \$5. Floyd Robertson, B. 1, Lexington, Mich.

Top Quality Chicks Spanish, Minorcas, Rocks Reds, Wyandottes, Orping tons. TYRONE POULTRY FARM, Fenton, Mich.

WHITE LEGHORN BABY CHICKS
Send for Catalog. SNOWFLAKE POULTRY
FARM, Route J. Grand Rapids, Mich.

PARDEE'S Ducklings EGGS AND DRAKES Price List Free, Box T Pardee's, Islip, L.I. N ¥

Mammoth Bronze Turkey eggs from Hugo strain. \$4 for 10 eggs.

Mrs. WALTER DILLMAN. R. 5, Dowagiac, Mich.

Bourbon Red Turkeys We have them. Order your SMITH BROS., R. 3. Augusta, Mich.

White Diarrhea

Remarkable Experience of Mrs. C.M. Bradshaw in Preventing White Diarrhea

The following letter will no doubt be of utmost interest to poultry raisers who have had serious losses from White Diarrhea. We will let Mrs. Bradshaw tell of her experience in her own words:

"Gentlemen: I see reports of so many losing their little chicks with White Diarrhea, so thought I would tell my experience. I used to lose a great many from this cause, tried many remedies and was about discouraged. As a last resort I sent to the Walker Remedy Co., Dept. 507, Waterloo, Iowa, for their Walko White Diarrhea Remedy. I used two 50c packages, raised 300 White Wyandottes and never lost one or had one sick packages, raised 300 White Wyandottes and never lost one or had one sick after giving the medicine, and my chickens are larger and healthier than ever before. I have found this company thoroughly reliable and always get the remedy by return mail.—Mrs. C. M. Bradshaw, Beaconsfield, Iowa."

Cause of White Diarrhea

White Diarrhea is caused by the Bacillus Bacterium Pullorum. This germ is transmitted to the baby chick through the yolk of the newly hatched egg. Readers are warned to beware of White Diarrhea. Don't wait until it kills half your chicks. Take the "stitch in time that saves nine." Remember, there is scarcely a hatch without some infected chicks. Don't let these few infect ways are said. 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 one chick where you lost hundreds before. These letters prove it:

Never Lost a Single Chick

Mrs. L. L. Tam, Burnetts Creek, Ind., 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. Ethel Rhoades, Shenandoah, Iowa, writes: "My first incubator chicks, when but a few days old, began to die by the dozens with White Diarrhea. I tried different remedies and was about discouraged with the chicken business. Finally I sent to the Walker Remedy Co., Waterloo, Iowa, for a box of their Walko White Diarrhea Remedy. It's just the only thing for this terrible disease. We raised 700 thrifty, healthy chicks and never lost a single chick after the first dose."

You Run No Risk

You Run No Risk

We will send Walko White Diarrhea Remedy entirely at our risk—postage prepaid—so you can see for yourself what a wonder-working remedy it is for White Diarrhea in baby chicks. So you can prove—as thousands have proven—that it will stop your losses and double, treble, even quadruple your profits. Send 50c for package of Walko—give it in all drinking water for the first two weeks and watch results. You'll find you won't lose one chick where you lost hundreds before. It's a positive fact. We guarantee it. The Leavitt & Johnson National Bank, the oldest and strongest bank in Waterloo, Iowa, stands back of this guarantee. You run no risk. If you don't find it the greatest little chick saver you ever used, your money will be instantly refunded. money will be instantly refunded.

WALKER REMEDY CO., Dept. 507.

Waterloo, Iowa. Send me the [] 50c regular size (or [] \$1 economical large size) package of Walko White Diarrhea Remedy to try at your risk. Send it on your positive guarantee to instantly refund my money if not satisfied in every way. I am enclosing 50c (or \$1.00). (P. O. money order, check or currency acceptable.) Name

Mark (X) in square indicating size package wanted. Large package contains nearly three times as much as small. No war tax.

BEWARE OF FAKE POULTRY CULLERS.

A NEW swindling game is afloat. Fake poultry cullers are now on the job. They go to a farmer and offer to cull his flock for one cent a bird, provided he will sell them the culls at the market price. When the farmer agrees the fakers who seem to have a pretty good idea of the culling business, make it a point to select the best layers for themselves and leave the culls on the farm. As a result of the swindle one woman lost eighty of her best birds and those left behind are not laying. A more observing neighbor noted that the fakers were picking his best layers and putting them into the cull crate, stopped the game. Our advice is to ask the county agent.

STANDARD-BRED HENS LAY MOST.

THE standard-bred hens lay more eggs than mongrels do. Many poultry breeders have selected their stock for high egg production over a long period of time. This has developed strains that have the ability to lay a good many eggs. At the Connecticut egg-laying contest 1,000 standard-bred pullets averaged 162 eggs per year, while at New Jersey the record was 161 eggs for each pullet. Mongrel flocks usually produce an average of from seventy-five to ninety eggs per

The Kansas Agricultural College has completed an interesting breeding experiment. Common mongrel hens were bred to standard-bred males of good laying stock. The mongrel hens in one pen produced an average of 104 eggs in a year. Their daughters from a standard-bred Barred Rock male, produced 134 eggs. The second generation produced 165 eggs and the third 207 eggs.

Another pen where White Leghorn cockerels were used on mongrel hens the results were even more pronounced. In this case the egg production was increased from seventy-four to 198 eggs for each hen in just three years.

WORMS IN POULTRY.

I have been having the long and short worm in my flock of chickens, but seemed to have it cured, but the treatment is expensive. I wondered if you could advise something to give that would be a preventative. Is there anything I could give young chicks to prevent the same trouble?—Mrs. J. W.

Worms can be removed from poultry by using tobacco stems at the rate of a pound of finely ground stems to each 100 hens. Steep the stems for a couple of hours after just covering them with water. Add the mixture to about four quarts of mash. Keep the birds hungry during the day and give the dose of tobacco mash about three o'clock in the afternoon. Two hours later give about a pound of epsom salts dissolved with water and mixed with mash. Soon the birds will go to roost and many of the worms will be expelled on the droppingboards where

anced ration so they will be vigorous and less subject to attacks from parasites. Stagnant ponds on the range seem to increase parasites. A welldrained range disinfected by sunshine is a help in preventing worms in poultry.





BABY CHICKS Best Laying Breeds on Earth

Barron English White Leghorns, also American white Leghorns, S. C. Brown Leghorns and Anconas, 25,000 large strong super hatched chicks every week from Hogan tested flocks culled out Semi-annually by our Poultry Experts.

17 Years of Careful Breeding for Egg Production You get the advantage of 17 years of careful breeding which brought our flocks up to their present High standard. Our wonderful winter layers are headed by large, vigorous and Pedigree sired males of exceptional quality.

Thousands of Satisfied Customers Make Big Money

Mr. F. L. Hess, Chicago, Ill., writes: "I averaged 112 eggs a day from 140 of your pullets and sold, \$158.00 worth of eggs in February."

Mrs Wyttenbach, Amherst, Ohio. writes: "I sold \$357.30 of eggs in two months from 200 pullets of your stock."

Raise Good Stock and Reap a Golden Harvest Intelligent chick buyers of today do not take chances with ordinary stock. Our enormous output enables us to sell these money makers at a price-that positively cannot be equaled.

We Ship Thousands of Chicks Each Year Every shipment is sent by PARCELS POST PREPAID, and we guarantee 100% live delivery. Send for our illustrated catalogue and prices today, it's Free.

Wyngarden Hatchery, Box M, Zeeland, Mich.

Royal



Guaranteed to Satisfy

\$12.00 per 100, Postpaid

For shipment May 15th, 22nd, 29th English Type White Leghorns Brown Leghorns

Get your order in at once for these dates as they will soon be sold at this price. Our chicks are from heavy laying selected breeders, with large combs and deep bodies. Our chicks are hatched right and will live. Safe arrival guaranteed. Order direct or send for our illustrated catalog.

ROYAL HATCHERY, R 2, ZEELAND, MICHIGAN

BUY HUBER'S



RELIABLE CHICKS

Our 13th Year 700,000 for 1922

By Parcel Post Prepaid—100% Live Delivery. Our Request is: Give us your order for some of our (Reliable Chicks) and we will prove that we will give you better chicks for the money than you can get elsewhere. Combination offers. Order Early. Write for Prices and Free Illustrated Catalog.

HUBER'S RELIABLE HATCHERY, EAST HIGH STREET, FOSTORIA, OHIO

BABY CHICKS Pure Bred for 1922



Bred-To-Lay from flocks selected for standard quality and production. We offer Exceptional values in following varieties: Leghorns, Rocks, Reds, W. Wyandottes, Orpingtons, Minorcas and Anconas. Our prices are night when quality is in consideration as this should be the main point in view. -Get our big catalogue of Baby Chicks, Brooders & How to Care for Your Chicks after you have them, it is FREE, for the asking. Write today.

Wolf Hatching & Breeding Co., Dept. 10, Gibsonburg, Ohio

Barred Rocks-Proven Layers

they can be destroyed rather than spread over the range.

Worms can largely be prevented by keeping the range free from over-crowding and feeding the birds a balanced ration so they will be vigorous

And Winners

And Winners

Official Records 212 to 257 eggs. In Dec. Nat'l. Laying Contest 4 pullets averaged 24.5. I have won 4 special prizes so far at this contest. Some record. Here's your chance to get the best money can buy. Chicks and Eggs. I also manage The Forest-Grove Hatchery, this is where the best English which are severely culled and use only nedigrated males. So why take changes which are severely culled and use only pedigreed males. So why take chances when you can buy stock of this kind in Rocks and Leghorns. Special Bargain prices in May and June. Write at once for catalogues.

G. CABALL, Box M, Hudsonville, Mich.

CHICKS

Seven varieties, from excellent pure-bred stock, 100% live delivery guar-anteed. Parcel Post Prepaid. None better. Catalogue Free.

Lee's Poultry Farm & Hatchery, Edison, O.



All standard varieties. Our free catalog tells all about them. STILLWATER HATCHERY

Additional Poultry Ads. on Page 623

DUCK EGGS IN INCUBATORS.

I have a hot-air incubator and it runs fine. Now, after I get through hatching hen eggs I want to fill it with duck eggs. They tell me it don't hatch duck eggs successfully. Can you tell me if this is so or not? What heat must a person keep the machine for duck eggs?—W. V. D. M. Undoubtedly you will find your in-

cubator very satisfactory for hatching duck eggs. The temperature should be 102 degrees. If you do not have an instruction book it will pay to write the manufacturer for one.

CHICKS DIE IN SHELL.

We have set about 630 eggs but only 300 hatched. The eggs are fertile, but the shell cracks off and leaves the skin on that should come off with it, and the skin dries and seems so tough that the chicks can not break through. Could you tell us what the trouble is?—D. C.
When the membrane beneath the

shell dries down'so the chick cannot emerge it usually means that the moisture conditions have not been right. If you are hatching with hens try placing a moist sod in the bottom of each nest box. It will usually furnish enough moisture to enable the chicks to hatch. When hatching with incubators we soak woolen cloths in very hot water and apply them to the eggs on the eighteenth night. They are removed several hours later. Then the cloths will be found dry and the moisture will seem to have entered the shells and the egg chamber. Then close the incubator and do not open again until the hatching is entirely over.

Sometimes chicks die in the shell due to a weakness of the germ. A few might die in the shell even if the remainder of the eggs produced a satisfactory number of chicks. Overheating in the incubator might cause the trouble. The air might be too dry in the room where the machine is op-

SECOND-HAND INCUBATORS.

Please give me a little information on how to operate an incubator. I bought a second-hand one, in good order yet, and I know how to operate it, but what I'd like to know is, how about testing, turning, airing and mois-ture? How often it is done, and is it true that the eggs should stand on their pointed end the first week?— G. W. S.

If you buy a second-hand incubator

it pays to obtain the directions of the manufacturer of the special machine you are operating. If these cannot be obtained from the previous owner of the machine, I should write to the manufacturer. I believe it is to the interest of the manufacturers of incubators to have their machines give satisfaction, even though they are second-hand, and most of them will undoubtedly be willing to send an instruction book.

The eggs should be tested about the seventh day to remove all infertile eggs which show clear. Another test can be made the fourteenth day to discard any germs that have died. The eggs should be turned night and morning from the second day until the night of the eighteenth day, when the machine is closed and the door never again until the hatch is com-

The eggs can be cooled sufficiently during the first week while being turned. For the remainder of the time leave the eggs out after turning until they just feel barely cool when touched to the eye, which is a point very sensitive to temperature variations. Whether moisture is added or not may depend on the make of your machine. I do not think it advisable to stand eggs on their pointed end during the first week of incubation. The old hen does not do it that way and I have never heard an incubator maker advise such a position for the egrs.

POULTRY

HOMESTEAD FARMS

Michigan people: Here is something in your own state to interest you. Let us send a description of our

Pure Bred Practical Poultry Here is an egg producing poultry stock such as the farmer poultry-woman wants. It is proving out in actual eggs in the hands of the farmer poultry people who buy it.

White, Brown and Buff Leghorns; Anconas; Black Minorca; Barred, Buff and White Rocks; Rhode Island Reds; Wyandottes; Orpingtons.
This stock is culled and bred on the plan of the state Agricultural College, and all the Hens in the Breeding Colonies are practical egg-producing Hens.
If you will send for a description and egg record of this Pure Breed Practical Poultry, you will find stock that it will pay you to buy. Buy Day Old Unicks this year and see the results you will get.

EIGHT WEEKS OLD PULLETS

We shall have 5000 Eight-weeks and Three-months

We shall have 5000 Eight-weeks and Three-months Pullets to sell in May, June and July in all our breeds. Orders can be placed now for these Pullets. We will send you description and Price List. STATE FARMS ASSOCIATION Box A47, Kalamazoo, Mich.



COLUMBIA Baby Chicks Buy your English Strain White Leg-

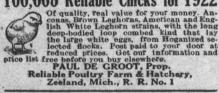
Strain White Leg-horns and Ancona baby chix from the Columbia Hatchery They are vigorous purebred, heavy-laying stock. Ship-ped by parcel post prepaid. Special price on 1,000 lots. Columbia Hatchery, 24 W. Main St., Holland, Mich.

BABY **CHICKS**

Eight leading Standard Varieties. Every chick from pure bred, healthy, carefully selected stock. We are not jobbers. We personally know what we are selling. Delivered at your door, parcel post prepaid. 100% live delivery guaranteed. Catalogue free.

MUNCIE BABY CHICK CO. Muncie, Indiana

100,000 Reliable Chicks for 1922



HA! HA! { 75,000 } CHICKS
Buy Hi-grade Profit Paying Bred-to-Lay Chiz. From
tested egg strain. Best foundation stock ever produced,
latching eggs, duckings, 10 varieties. Oir, stamps appre,
Laurence Poultry Farm, R. 7, Grand Rapids, Mich.





For years we have been building up utility heavy laying strains of exhibition quality so our customers will be assured of success. It leading breeds. It cach and up. Safe arrival guaranteed by P. P. Propaid. Catalogue free, Orle's Poultry Farm & Hatchery, 12 State St., Marion, Indiana.

ANCONAS "Superior Quality" baby chicks and fertile eggs from M. A. C. selected 250 egg strain hens, mating list free.
MANNINGS ANCONA FARM. Ooldwater, Mich.

AYOLD CHICKS

White Leghorns \$12 per 100; \$6.50 for 50; and \$3.75 for 25. Barred and White Rocks, White Wyandottes and Rhode Island Reds \$17 for 100; \$9.00 for 50; and \$4.75 for 25. Order from this ad, terms cash with order. Custom hatching 5c per egg; hatchery capacity 9600. Hatchery 4 miles east of Mt. Morris on Mt. Morris oad one mile north and one east. Valley Phone No. 14.5. ROSS WADE. Prop. Meadow Brook Hatchery, Mt. Morris, Mich.

Free ROYCROFT Book B-A-B-Y C-H-I-X

WHITE LEGHORNS AND MOTTLED ANCONAS
Also Black Leghorns, Brown Leghorns, Buff Leghorns, Black Minoreas, B. O. Rhode Island Reds,
Barred Plymouth Rocks, White Plymouth Rocks,
Silver Wyandottes, White Wyandottes, WE HATCH
eggs from Reganized flocks on free range on separate
farms. Send for Price List.
Valuable Booklet with first order for twenty-five or more
CRESCENT EGG COMPANY
Allegan Michigan

WE BREED

Parks' Strain Barred Rocks and Barron Strain White Leghorns. The two greatest strains of utility poultry in America. Baby chicks for May delivery should be ordered soon. They are very reasonable and the finest of the seasons hatches. Our stock is northern bred for northern conditions.

PINL BAY POULTRY FARM: 'Hollas', Mich.

W. I. Richardson, Haldwer, Strain Chicks, W. I. Richardson, Haldwer, Strain Strain White Leghorns. The two greatest strains of utility poultry in America. Built directly from laying and exhibition contest winners batching eggs. Ducklings, Catalog. 20 varieties Early bookings avoid approximent. Beckman Hatchery, 25 E. Lyon, Grand Rapids, Mich.

CHICKS



From Michigan's Old Reliable Hatchery. American and English White Lephorns, Anconas, Barred Plymouth Rocks and R. I. Reds. Strong sturdy chicks from Grand bred to lay, Hoganized, free range breeders. Sent by Insured Parcel Post, prepaid: 100% live delivery at your door. Guarantee satisfaction, or your money back. 15,000 each week, 14th season. Get my low price and valuable illustrated 1922 free catalog and place your May and June orders where you get best quality at lowest prices.

W. Van Appledorn, R. 7, Holland, Mich.

WHITTAKER'S RED CHICKS

and Eggs for Hatching. Both Combs. Blood tested for white diarrhoea. Michigan's Greatest Color and Egg Strain. Write for Free Catalog. INTERLAKES FARM, Box 39, Lawrence, Mich.

SINGLE COMB BUFF LEGHORN baby chicks. Willard Webster, R. 2, Bath, Mich

Baby Chicks \$12.00 per Hatching eggs, \$1.50 per setting to \$15.00 per 100. We are listing if varieties of pure bred fowls; Chickens, Gesse, Ducks & Guiness, also breeding stock. Send for prices and circular. Booking now for early delivers. OLINTON HATCHERY & POULTRY FARMS, Wilmington, Ohio.

BABY CHICKS. All popular varie-ties from selected flocks at living prices. Write for circular and price flist. JAS. H. ADAMS, Litchfield, Mich

Baby Chicks and Hatching Eggs from trap-greed stock. Park's strain Barred Rocks. Heavy lay-ing strain Rhode Island Reds. English White Leghorns-quality, not quantity. Prices reasonable, Write us-Lakeview Pouitry Farm, Box 3, R. 8, Holland, Mich.

Bred-to-Lay White Wyandottes 59 hens laid 1170 eggs in Jan. Eggs \$2.00 per 15; \$1 per 100. EVERGREEN POULTRY FARM, Blanding & Sons, Greenville, Mich.

DAY OLD CHICKS

S.C. English strain White Leghorns, Brown Leghorns, Anconas and Barred Rocks, free and safe delivery guaranteed. C. BOVEN, R. 12, Holland, Mich,

EVERLAY LEGHORNS The bescutful bunies ghen! Wenderful winter hy-the Bir withe segs. World Record layers Agart-ens Erg Contest! Greatest winners New York-Chicago, Hardy vigorous monoy makers. Stock Erges, Chicks, ebipped safely. Catalog free. EVERLAY FARM BOX E Portland, Ind.

Plymouth Rocks, Buff Plymouth Rocks, White Plymouth Rocks, Rhode Island Reds and White Wyan dotton. 25 for \$5.25. 60 for \$10.00.00 for \$18.00. FENTON OHIOKEN HATCHERY. Box 244, Fenton, Michigan

EGGS \$1 SETTING Parcel Post Paid. Thorough Rocks, Buff Rocks, White Wyandottes, Anconas, Buff Mi-norcas, White Leghorns, Brown Leghorns, Rhode Island Reds, Buff Orpingtons, Philip Condon, W. Chester, Ohio

EGG BRED CHICKS, from high pro-range stock. 19 years experience in hatching and breed-ing White Leghorns. Barted Rocks and Anconas, Cir-cular. Frank Heinz, Bor 6, Comstock Park, Mich.

CHICKS—BRED-TO-LAY S. C. W. Leghorns, S. C. Anconas and Barred Rocks, Quality chicks that please, guaranteed full count, 100 % alive on arrival, parcels post paid. Circular. SUNNYBROOK POULTRY FARM, Hillsdale, Mich

CHICKS English S. C. W. Leghorns \$11 per 100, Bearred Rocks \$16 per 100, Bearred Rocks \$16 per 100, Bear laying strain,known. By parcel post, alive delivery guaranteed. Henry Waterway, R. 4, Holland, Mich.

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from trapnested hens, Pen 1 \$20, per 100. Pen 2 \$18 per 100. Utility pen \$15 per 100. Catalog free. Hud-senville S. C. W. Leghorn Ranch, Hudsonville, Mich.

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Order your Baby Chicks now from selected heavy laying strain. Single Comb White Leghorns, English strain Brown Leghorns, Anconas, Reds. Send for price list. Hillerest Hatchery, R. 2, Holland, Mich

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S. C. English White Leghorns. Bred from heavy egg
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It was through the daughters of Flint Maplecrost Boy that Sir Ormsby Skylark Burke
Our Junior Herd Sir:
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A son of either of these great bulls will help the individuality and production of your herd.
We have bulls at dairymen's prices, and we also have bulls at the breeder's price, from dams with records up to 38 lbs. of butter in seven days, and 1168 lbs of butter in one year.
Ask us about a real bull, a Maplecrest or an Ormsby, JOHN H. WINN, Inc..

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in Holstein-Friesian breeding is becoming well known throughout the country, particularly in perfection of type and in yearly as well as short time production. This has been made possible by years of studious work and breeding and selection of type as well as those blood lines of proved ability to produce. I do not aim to keep a large herd. I want just a few of the best of the breed. I have a few more now than I can accomodate without crowding because of heifers coming in milk.

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We have what you want in BULL CALVES, the large, fine growthy type, guaranteed right in every way. They are from high producing A. R. O. ancestors Dam's records up to 30 lbs. Write for pedigrees and quotations, stating about age desired.

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Pure bred, registered, federally tested. Bix nearest dams average 30 lbs. Good individual, mostly white, 2 yrs. old. Guaranteed healthy and breeder. Price to sell quickly. Pedigree on request. ALBEST G. WADE. White Pigeon, Michigan.

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Registered yearling Holstein-Friesian bulls priced to sell, 42 lb. breeding, guaranteed O. K. shipped on approval. B. B. Reavey, Akron, Mich.

Registered Holstein Bull born Nov. 2. 1919. Dam at 8 yr. 22, 920 milk, 895 lb. butter: at 7 yr. 305 days 16,281 milk, 654 lbs, butter: 8 he has three A. R. O. daughters, one above 25 lbs. in 7 da, 99 in 30 days. He is sired by a 24 lb. grandson of Colantha Johanna Lad. Also three heifers 2 yr. old, one fresh heifer call by side. Other two due in May, Bred to sire above. State and Federal full accredited herd. Priced for quick sale. Pedigrees and photo on request. VERNON E. CLOUGH, R2, Parma, Mich.

"Top Notch" Holsteins

Bull advertised last week bought by a good breeder in Ohio.

We have a few more desirable bulls ready for service, sired by a 32 lb. grandson of the 40 lb. 4 year old former world's champion, Mabel Segis Korndyke, out of high milk and butter producing cows. Priced to sell.

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Herds under U. S. Supervision.

HERE IS A GOOD ONE

Born June 2d 1920 by Maplecrest DeKol Hengerveld whose three sisters have each produced over 1200 lbs. of butter in a year. Two of them former World's Champions Bulls dam has just been tested and made nearly 27 lbs. We believe she will make 30 lbs. at her next freshening, Write for pedigree, F. B. LAY, Kalamazoo, Mich,

HOLSTEIN and Guernsey calves. 7 weeks old, 31-32nds pure, \$25, each crated for shipment. Satisfaction guaranteed. EDGEWOOD FARMS, Whitewater, Wis.

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Repeaters, Beau Donalds, Fairfaxes, and Farmers represented in our herd. Repeater 173rd, a son of old Repeater, at head of herd. Both sexes and all ages for sale.

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Registered Herefords for sale. Cow and 2 herd bulls RALPH CALHOON, Bronson, Mich

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Few cows and bull calves. Best breeding line. Guaranteed. Tuberculin tested twice a year. If you have no money will take bankable note. E. W. Vasvary, 509 Free Press Building, Detroit, Mich., Main 1267.

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Polled Shorthorn Cows & Heifers in calf and calf by side. Also a few young bulls, Herd headed by Victor Sultan and Royal Nonpareil

We can please you in richly bred cattle with
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Now offering:—Three bulls ready for service. Mastodoa, Olansman, Emancipator blood in gilts bred for spring farrow. See them.

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J. V. Wise, Gobleville, Mich.

Walnut Ridge Farm has for sale milk shorthout bulls, ranging in age from one month to one year. These bulls are from heavy producing dams in both mil and butterfat and approved beef type. They are strictly dual purpose and every mature cow hard is producing butterfat at a profit. Prices an descriptions will be sent upon request, and will ship on approval. Address WALNUT RIDGE FARM a Allegan, Mich.



MUCH OLEO USED.

OVER in Wisconsin the source of much of our first knowledge of things on dairying, a survey of country stores has been made in one county to determine the quantity of oleo sold. From this survey and others conducted in the city stores it was found that there existed very little difference in the percentage of oleo and butter purchased in country stores and city stores. Farmers who are endeavoring to make a living from the dairy cow buy and eat thousands of pounds of an inferior product which is manufactured and sold by their competitors. They buy oleo because it is cheaper and then complain that they do not get enough for their butter-fat.

If the rural people alone would use milk and its products in normal quantities instead of taking substitutes, the increased demand would be sufficient to place the dairy industry back in the list of profitable businesses. If in addition to this they could get together and advertise the value of dairy products as human diet in the cities then it would be possible for the dairyman to lift up his head and feel once more like a man among men.

FIRST HONORS TO PERRY HICKS.

A COMPARISON of the leading animals in the production of milk and butter-fat in the various cow-testing associations of Michigan shows that the honor goes to Perry Hicks, of Wayne county, for the best herd. He has six registered Holstein cows that gave an average of 1,603 pounds of milk during the month and an average of 61.2 pounds of butter-fat. Second honors go to A. C. Reek, of Lapeer county, with a herd of ten registered Holsteins, which produced an average of 1,228 pounds of milk and 51.07 pounds of fat for the month. The herd of H. B. McCurray, of Kalamazoo county, produced more milk than the herd of Mr. Reek, but less butter-fat. His eight registered Holsteins produced 1,446 pounds of milk and fifty pounds of butter-fat.

A LOST OPPORTUNITY.

E XTENSION specialists in dairying, Messrs. Waldron and Baltzer, have noted in their rounds that the counties where tuberculosis has been cleaned up are experiencing an unusual demand for good dairy cattle by buyers from different sections of the country. In some of these counties, however. little attention has been given to the building up of registered herds of quality. These buyers are, therefore, unable to satisfy their wants and are obliged to go elsewhere for their supplies. It will probably take the breeders of these counties some time to overcome the handicap which has resulted from their inability to supply these demands at this time.

A DURABLE EXTERIOR WHITE. WASH.

To make a durable whitewash for outside surfaces combine fifty pounds of hydrated lime, or thirtyeight pounds of quicklime, with three pounds of sodium phosphate, or the same amount of soda ash may be used, and five pounds of casein with nine and a half gallons of water. This whitewash is easiest prepared by dissolving the casein in the sodium phosphate solution and then adding this to to the milk of lime after the latter has become cold

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Use it on your lousy hens and chicks—your lousy colts, horses and cattle. You'll get better chicks—bigger, better fowls—more eggs—better contented stock.

Chicks are apt to be lousy now. Give them a chance. Sprinkle Louse Killer into the feathers, about the coops, on roosts, in nests of laying and setting hens. Always keep Louse Killer in the dust bath. For lousy horses and cattle, colts and calves, stroke the hair the wrong way and sift in Louse Killer.

We authorize dealers to return your money if it does not do as claimed.

1 lb. 25c, 2½ lbs. 50c
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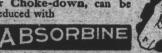
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Bull calves ready for service. Grandsons of King of the Pontiacs. From dams with A. R. O. Records of 27 to 29 lbs. for seven days—Federal Tested.

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\$250 Buys three high grade Holstein helf ers, two yrs, old, all milking and one registered Holstein bull, old enough for service one registered Holstein bull, old enough for solved. Herd under federal and state supervision. HENRY S. ROHLFS, R. 1, Akron, Mich.



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Will insure your getting highest possible prices for young Hereford Beeves. Out of the proceeds of such beeves you pay no Commissions, Yard or Feed Charges. Produce quality beef at the minimum cost and do away with speculation in feeders. Raise your own and be assured of receiving the highest possible price. This "Sothams Earliripe Hereford Beef Contract" guaranteesyon.

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that will put weight on your dairy calves—the difference will soon pay for the bull. Now selling good Scotch and Scotch-topped yearlings, reasonably priced. We guarantee every animal to be a breeder. Federal Test. Cne hour from Toledo, Ohio, N. Y. C. R. R.

BIDWELL STOCK FARM, Tecumseh, Michigan

Claradale Milking Shorthorns We invite the discriminating breeder and farmer, who is in need of a real bull, that will transmit the combine qualities, beef, milk, high in butter fat, type, character, beauty. We do state official milk testing. Come and see us or write for circulars and reasonable prices. F.W.Johnson, Custer, Mich., Mason Co. Box 26

Milking Shorthorns of best Bates breeding, bulls, cows and heifers for sale.

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Special prices for registered Berkshire breeding stoc 2 Mature Bred Sows \$15.00
1 Three Year Old Show Boar—
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shipped anywhere in Michigan on approval
Best type with size and quality. Satisfaction absuled your anteel. Write for information.
Write for information.

Q. C. COREY.
2423-30 First National Bank Building.
Detroit, Michigan

PLANT A LITTLE EARLY GORN.

THE practice of hogging down corn is becoming more common. If one has planned to carry his hogs along during the fall season by this method it would be well if he could have corn ripening at different periods. To get the maximum of advantage from the plan he should put in a small acreage of early corn in order to start the hogs on their job as soon as possible this

DESTROY FLY-BREEDING PLACES.

A GREAT deal can be done just now to reduce the number of flies that will breed on the premises during the coming season. A general clean-up will be necessary. Heaps of manure and places where filth has accumulated during the winter months should be thoroughty cleaned up so that flies will be unable to use it for propagating their young.

INCREASES DEMAND FOR PURE-BRED FEMALES.

I T is noted by county agents and others who have been in a position to watch developments that the introduction of pure-bred sires into herds or flocks has very frequently resulted in the acquiring of pure-bred female stock to displace mongrel animals.

Veterinary.

CONDUCTED BY DR. W. C. FAIR.

Advice through this column is given free to our subscribers. Letters should state fully the history and symptoms of each case and give, name and address of the writer. Initials only are published. When a reply by mail is requested the service becomes private practice and \$1 must be enclosed.

Worms.—Have a colt that is wormy. Also have cow that urinates too often,

Also have cow that urinates too often, especially for a few weeks after she comes fresh, and she is in this condition now. C. B., Caro, Mich.—Mix equal parts dried powdered sulphate of iron, salt, gentian, together and give it a dessertspoonful in soft feed twice daily. Give cow a tablespoonful of bicarbonate of soda in each feed.

Sweeney—Club-foot.—I have been watching veterinary column for a remedy that will cure sweeney. My seven-year-old horse was sweenied twelve months ago, the foot on same leg grows straight up and down. W. D., Birch Run, Mich.—Clip off hair and apply one part powdered cantharides and five parts fresh lard twice a month. Leave the foot alone, but don't allow hoof to grow too long.

Stifle Lameness.—I have a cow that suffered from dislocation of stifle two

suffered from dislocation of stifle two suffered from dislocation of stille two months ago; she was down six weeks, now in sling, but leg is badly drawn up. She is due to come fresh in April. L. J. C., Indian River, Mich.—Perhaps the leg was fractured, but if the stifle bone is out of socket, she will not recover, it has been out too long. Paint the joint with tincture of iodine three times a week.

Swamp Fever—Infectious Anemia.—

times a week.

Swamp Fever—Infectious Anemia.—
I have an eight-year-old mare, also a four-year-old, both unable to do any work for the past five weeks. When turned out they stagger and almost fall down, but they eat every bit of feed they can get hold of, but are thin in flesh and failing. Our veterinarian is at a loss to know what alls these mares. J. F., Newberry, Mich.—I am inclined to believe you have two cases of what is commonly called

wo cases of what is commonly called swamp fever. Infectious anemia is due to a filterable virus which cannot be demonstrated by straining methods nor by cultivation. The virus is contained in the blood, urine, and feces of both clinical cases of the disease and apparently healthy horses. It is probable that the feces are made infectious when urine is mixed with them. The disease does not seem to be contagious when urine is mixed with them. The disease does not seem to be contagious or directly communicable. A medical treatment is without avail. Absolute rest and very intensive feeding will, of course, prolong life and cause improvement in many cases. By giving Fowler's solution of arsenic in half-ounce doses three or four times a day for five or six weeks it might help them. Experiments to produce artificial immunity have so far proven unsuccessful.

SHORTHORN SALE

CENTRAL MICHIGAN SHORTHORN BREEDERS' ASSOCIATION

Fair Grounds, Greenville, Mich.

WEDNESDAY, MAY 10, 1922

Show 10 A. M. Sale 1 P. M. 20 Females, 5 Bulls

Auctioneers: Hutton and Rasmussen

For catalogue address M. E. MILLER, Sec'y, Greenville, Mich.

Brookwater Duroc Jerseys

Gilts bred for summer farrow. Only a few left. Fall gilts - open. Very good Fall boars. Large enough for light service. Prices reasonable. Mail orders a specialty.

BROOKWATER FARM, H. W. Mumford, Owner J. B. Andrews, Manager. ANN ARBOR, MICHIGAN

Duroc Jersey Swine

Breeding stock for sale at all times at reasonable prices. If in need of a high class boar, or sow any age write, or better, come to farm Best of Blood line and we guarantee you satisfaction. Herd boars, Panama Special 11th and Home Farm Wonder. Booking order for fall pigs at \$15 each

Thos. Underhill & Son,

Salem, Mich.



Spring pigs by Walt's Orion, First Sr. Yearling Detroit, Jackson, Gd. Rapids and Saginaw 1919 Phillips Bros, Riga, Mich.

AM SELLING

a great offering of bred Duroc sows and gilts March
4th. They, are mostly bred to Orion Giant Col., son
of Ohio Grand Champion. Get on mailing list for
catalog. W. C. TAYLOR, Milan, Mich.

Boars Here is your opportunity to get a real herd boar. We have three boars sired by Faust Top Col. at \$50.00 each. Others at \$25. 430 and \$35. F. J. DRODT, R. J. Monroe, Mich.

Woodlawn Farm Duroc Hogs A well kept herd, best of blood lines, with size and breeding qualities, stock of all ages for sale at rea sonable prices. W. E. BARTLEY, Alma. Mich.

Special Sale Durocs. Fall pigs either sex sired by Michigan's Orion Sensation and Michigan's Demonstrator. Can furnish pairs and trios not related. Price \$20 & \$25 registered in your name. Also few sows and glits bred for April. May and June farrow. Michigana Farm, Pavilion, Mich.

Pure-Bred Duroc Jersey Hogs; we usually ages for sale. Reasonable prices. Larro Research Farm, Box A, North End, Detroit, Mich.

DUROC JERSEYS: A few choice bred gilts for sale. CAREY U. EDMONDS, Hastings, Mich

Westview Duroc Bred Sows all sold. Have two spring boars left at a reasonable price. Will book orders for April & May Pigs.

ALBERT EBERSOLE, Plymouth, Mich

DUROC — JERSEYS Sows all sold. E. D. Heydenberk, Wayland, Mich

Duroc Jerseys heavy boned, low down type breeding stock for sale.
CHAS. BRAY, Okemos, Mich.

Duroc Jerseys Bred Gilts all sold. Now offering some choice fall boar pigs large enough for spring service.
RUSH BROS., Romeo, Mich,

BIG TYPE CHESTER WHITES

The prize winner kind from the best prize winner bloodlines. Early developers, ready for market at six months old. I have started more breeders on the road to success than any man living. I want to place one hog in each community to advertise my herd, Write for agency and my plan.

G. S. BENJAMIN, R. F. D. 10, Portland, Mich.

CHESTERS We are all sold out of Boar, Bred Sows and Gilts, For spring pigs write WEBER BROS.. Royal Oak. Mich., 10 Mile and Ridge Rd., Phone 408.

O. I. C. and Chester White Spring Pigs from prize winning stock of the most popular blood lines. We ship C. O. D., register in buyer's name and guarantee satisfaction. John C. Wilk, Alma, Mich.

O. I. C. & Chester White Swine. Strictly Big Type with QUALITY. We are sold out of everything but a few choice fall gits. Will book orders for Spring plss. Of the best Frize winning blood lines. Will ship C. O. D. And record them free in purchaser's name.

NEWMAN'S STOCK FARM, R.4. Martlette, Mich.

O.I. C. fall gilts ready to breed. Orders booked for spring pigs. Write or call and see our herd. We ship C. O. D. and Register free. GEO, M. WELITON & SON. Middleville, Mich.

O. I. C. Bred sow's all sold. Booking orders for spring pigs.
H. W. MANN. Dansville, Mich.

O. I. C's all sold except two fall boars. Orders booked for spring pigs.
C. J. THOMPSON. Rockford, Mich.

O. I. C's Choice Aug. and Sept. open gilts also booking orders for spring pigs.
OLOVER LEAF FARM, Monroe, Mich.

O. I. C. Bred gilts all sold. Orders booked for spring pigs.
A. J. BARKER & SON. Belmont, Mich.

O.I.C. Hogs big Type. Two Sept. boars ready for service. Also spring pigs, prices reasonable. Papers free. BRUCE W. BROWN, Mayville, Mich.

L. T. P. C. Fall Boars

at bargain prices, Fall gilts open or with breeding privilege. Write or see them.
A. A. FELDKAMP, R. 2, Manchester. Mich.

L. T. P. C. Gilts bred for Spring litters all mer Gilts bred for June and July litters also Fall Boars and Spring Pigs. Clyde Fisher, H. 3, St. Louis, Mich.

L.T.P.C.\$15, \$20 & \$25

Spring pigs with real breeding at the above prices. We are also offering a few choice fall gilts bred for summer farrow. Hart & Cline. Ad-dress F. T. HART, St. Louis, Mich.

Big Type P. C. some very choice boars double immune, out 1100 lb. sire and mammoth sows from Iowa's greatest herds. E.J. Mathewson, Burr Oak, Mich.

Large Type P. C.

Largest herd of indivduals in state. Everything sold, Nothing to offer until spring pigs are ready to ship. I thank you. W. E. LIVINGSTON, Parma, Mich.

BIG TYPE POLAND CHINAS Bred gilts for sale. Choice individuals of rich breeding at prices within your reach. Come see them or write. WESLEY HILE, R.6, Ionia, Mich.

Poland Chinas Sixteen years breeding and showing, I can please you in a bred gilt.
ROBERT MARTIN, R. 3, Woodland, Mich.

Large Strain P. C. nothing more for sale at present, I thank you.
H. O. SWARTZ, Schoolcraft, Mich. Large Type Poland China Pigs either sex \$15.00 and sy20.00 each. Sired by quality Ben. F. W. Smith, Route 4, Mason, Mich.!

L. T. P. C. Orange Model gilts, bred for March and bear inspection. W. J. Hage shaw, Augusta, Mich.

Big Type P. C. Boar pigs that can't be beat in Mich. Sired by Big Bob Mastodon and Peter A Pan, 50 head to pick from. C.E. Garnant, Eaten Rapids, Mich.

BIG TYPE Poland Chinas, leading strains ages, and bred sows and gilts.
G. A. BAUMGARDNER, R. 2, Middleville, Mich. LEONARD'S B. T. P. C. Herd headed by Leonard's Liberator, Orders booked for boar pigs at weaning time. Call or write E. R. LEONARD, St. Louis, Mich.

Hampshires book your order for spring boar pigs now ready for summer farrow. JOHN W. SYNDER, R. 4. St. Johns, Mich.

Belted Hampshires Place your orders now for spring pigs, priced to sell. Registered free. J. L. BURNETT, Engadine, Mich.

SHEEP

A Real Bargain at Kope Kon Farms

We offer 40 big healthy yearling Shropshire and Hampshire Rams all registered at \$25.00 each Come or write while the picking is good. S. L. WING, Coldwater, Mich.

WOOL WANTED

Write for our prices before you sell your wool! VREELAND FUR CO. 445 JEFFERSON AVE., WEST, Detroit, Mich.

HORSES

For Sale Cheap \$300. Registered Stud rising 3, grey, a big boned active fellow sired by an imported horse, weighing 2160 and from and 1800 mare. The making ef a big useful horse, JNC. O. BUTLER, Portland, Mich., Bell Phone

Belgians and Percherons Stallions and mares. Low price for quick sale. Will trade for horses or other stock. Write your wants—can suit you.

OTIS BAKER, Ligonies, Ind.



Tuesday, April 25.

Wheat.

Detroit.—Cash No. 2 red \$1.41; No. mixed and No. 2 white \$1.38; May

Chicago.—No sales reported.
Toledo.—Cash \$1.41; May \$1.43.
Corn.
Detroit.—Cash No. 2, 67½c; No. 3

yellow 66c.
Chicago.—No. 2 mixed 60%@61c;
No. 2 yellow 61@61%c.

Oats.

Detroit.—Cash No. 2 white 43½c asked; No. 3, 41½c.

Chicago.—No. 2 white at 39@40½c;
No. 3 white 38@40c.

Beans.

Detroit.—Immediate and prompt shipment \$6.90.

New York.—Choice pea beans \$7.50; red kidneys \$8.35@8.50.

Chicago.—Michigan choice, handpicked \$7.30; red kidney, according to quality \$8@8.25.

Detroit.—Cash No. 3, \$1.09.

Chicago.—\$1.09. Toledo.—\$1.10.

Seeds.

Detroit.—Prime red clover, cash at \$13.50; alsike \$11.75; timothy \$3.25.

Toledo.—Prime red clover at \$13.50; alsike \$11.50; timothy \$3.

Detroit.—Bran at \$32@33; standard middlings at \$33; fine middlings \$33; cracked corn \$30; coarse cornmeal at \$27; chop \$25@25.50 per ton in 100-lb sacks.

Hay.

Detroit.—No. 1 timothy at \$21@22; standard and light mixed at \$20@21; No. 2 timothy \$19@20; No. 1 clover mixed \$17@17.50; rye straw \$13.50@14; wheat and oat straw \$12.50@13 per ton in carlots.

WHEAT

WHEAT

Wheat prices are again close to the high point reached at the end of February. A profound change in the attitude of foreign buyers has been the most important element in the upturn. No concern is being shown at present over the quantity of wheat afloat, as importing countries, are known to need it all. Total shipments from importing countries have fallen off and the total world supply of wheat in commercial channels has declined. The crop outlook abroad is not flattering. The new crop prospect is only fair. The wet spring has been too much for wheat in some sections and a dry spell wheat in some sections and a dry spell in May or June can do a world of damage as the plant is watery and not deeply rooted. A lot of wheat in the southwest which sprouted late shows low vitality and is not stooling well. Acreage abandonment in Kansas is estimated at twenty-eight per cent. The position of the market makes it extremely sensitive to the adverse crop position of the market makes it extremely sensitive to the adverse crop news. Besides these natural conditions in the market there are abnormal influences due to speculative situation in May wheat at Chicago with the possibility of a "corner" in that delivery. No one knows just how the matter will work out, but during the last week the "bulls" were in the ascendency and the cash market advanced in line with the upturn in the May.

CORN

Demand for corn which declined sharply after the first of March is picking up again. Domestic buyers including corn industries, are showing more interest and export buying has been renewed on a fairly broad scale. Livenced erpool corn prices have advanced. With primary receipts down to a small figure and but little prospect of a ma-terial increase before June, an upturn in corn prices will not occasion sur-price especially if the wheat market goes higher. Corn planting in south-ern states is behind time.

OATS

Private reports point to a decrease in the acreage of oats as a result of wet weather and the fact that the crop has not been profitable during the last year or two. Prices are still weighed down by the millstone of a huge visi-ble supply. If a crop scare develops later, the market may be jarred out of

SEEDS

The usual decline in cloverseed prices which marks the passing of spring

seeding requirements and occurs to-ward the end of April or early in May has set in. Prices upon red clover-seed for the new crop or for October delivery are about \$3 below the cash market.

FEEDS

Feed markets are quiet with both domestic and export demand dull. The flour mills are operating at only a small per cent of capacity and are behind on orders for wheat feeds but jobbers are selling freely although at prices about \$3 higher than at the bot-tom of the break a few weeks ago. Oil meals are neglected but prices show little change.

HAY

The hay market continues firm due to light receipts and moderate local demand coupled with shipping orders at some points, especially in the northwest. Receipts are increasing at some points. Legume hays are slightly less active as these are most effected by the opening of the pasture season. The cold weather is delaying the first cutting of alfalfa. Heavy spring rains point to a rather large hay crop and pastures. good pastures.

POULTRY AND EGGS

Egg prices have been about as sta-ble for several weeks as this market ever is. Receipts during the first and second weeks in April were of record

pick up again early in May. Cold storage holdings of frozen poultry in the United States decreased 20,000,000 lbs. during March. They are still about 10 per cent larger than last year.

Chicago.—Eggs miscellaneous—23@23½c; dirties 20½@21c; checks 20@20½c; fresh firsts 23¾@24c ordinary firsts 22@22½c. Live poultry, hens at 28c; broilers 50@60c; roosters 19c; ducks 27@30c; geese 18c; turkeys 30c.

Detroit.—Fresh candled and graded 24@25c. Live poultry, heavy springers 27@29c; light springers 24c; heavy hens 27@29c; light hens at 27@29c; roosters 18c; geese 18c; ducks 33c; turkeys 30c.

turkeys 30c.

BEANS

The bean market has been dull all week with prices unchanged at \$7.10 @7.15 per hundred pounds for white hand-picked stock f. o. b. Michigan shipping points. But few are being offered by producers, sales to wholesale grocers are small and no imports have shown up. have shown up.

BUTTER

Butter markets scored fractional advances again last week, due primarily to the breadth of consumptive demand. The increase in receipts over the winter level has not been as rapid as expected and trade sentiment has been affected more or less by this fact. Production is very large, however, and receipts of butter at the leading markets for weeks have been running ahead of the supply during the corresponding weeks in each of the three preceding years. Nevertheless withdrawals from cold storage have exceeded the aversecond weeks in April were of record size at the five leading cities, but the third week in the month showed a small decline and it is probable that the high point of the spring period of heavy production has been passed. Since receipts will be large enough to furnish a surplus over immediate consumptive needs to go into cold storage for three months yet, prices will not make much headway for a while but a slight upward trend is probable. Receipts of dressed poultry have been generally and the leading markets for weeks have been running ahead of the supply during the corresponding weeks in each of the three preceding years. Nevertheless withdrawals from cold storage have exceeded the average. Usually receipts become heavy enough by the second or third week in May to necessitate placing some but the running ahead of the supply during the corresponding weeks in each of the three preceding years. Nevertheless withdrawals from May to necessitate placing some but the running ahead of the supply during the corresponding weeks in each of the three preceding years. Nevertheless withdrawals from May to necessitate placing some but the normal course, a readjustment in prices to a storing basis by that time will be natural. The market is highly sensitive and dealers on distributing

markets are anxious to-keep the supply on the move to avoid being caught decline in prices takes place.

with large stocks when the expected Prices for 92-score fresh butter as follows: Chicago 38c; New York 39c. In Detroit fresh creamery in tubs sells at 36c per pound.

Cold storage holdings of apples in the United States on April 1 consisted of 576,000 barrels and 4,062,913 boxes, making a total equivalent to 1,931,000 barrels. On April 1 last year total holdings were equal to 2,209,000 barrels but the five-year average is only 1,638,000 barrels. During March, the holdings decreased about 35 per cent. If apples disappear at the same rate in April and May the entire stock will have been disposed of. Prices have changed but little for several weeks.

POTATOES

The movement of potatoes from the producing states is decreasing but it still maintains a big lead over the corstill maintains a big lead over the corresponding period a year ago. Maine and Minnesota are the biggest shippers, the excess from Maine alone accounting for most of the increase over last year. Wisconsin, Pennsylvania, Long Island, New Jersey and the corn belt states are falling behind last year so that the receipts are heling plead belt states are falling behind last year so that the receipts are being placed without such a drastic decline in prices as that which occurred last spring. New potatoes now compose about 15 per cent of the supply. Prices upon old stock f. o. b. northern shipping points are about \$1.30@1.40 per 100 pounds sacked with consuming markets quoted at \$1.40@1.90.

GRAND RAPIDS

GRAND RAPIDS

The supply of vegetables on the Grand Rapids market this week was far more liberal than at any time this season and prices on some of the spring-grown offerings eased slightly. Green onions declined five cents per bunch; hothouse leaf lettuce dipped to 12c a pound; spinach ranged from \$2 @2.25 a bushel. Rhubarb held steady at 10c a pound. Poultry receipts have fallen off sharply and given a stronger tone to the market. Eggs were firm to steady at 22@23c bid. Live stock was dull. Very little grain is being offered.

DETROIT CITY MARKET

On this market there is an active On this market there is an active demand for poultry, eggs, beets, parsings and rhubarb. Some greenhouse stuff also sold well. Potatoes were in evidence more than anything else but they moved off well at fair prices. The prices to farmers were: Apples \$2.25 (2.75; beets \$1.75@2; cabbage \$1@1.25; carrots \$1.75@2; cabbage \$1@1.25; carrots \$1.75@2.50; horseradish \$2.50@4; potatoes \$1@1.20; rhubarb 30c@\$1 per dozen bunches; poultry at 30@35c per lb; eggs 25@35c; veal 13c per pound. per pound.

CHEESE.

Cheese prices at country markets were lowered again last week and the prices in distributing markets gradually declining in an orderly manner. Receipts are above the average for the season of the year and cold storage operators have not yet entered the market. Trade is most active on twins, longhorns and single daisies. Young Americas are bringing more than other styles although it is not so long ago that five-pound loaf cheese was expected to supplant this style. Held cheese remains scarce and is bringing a premium ranging from one to eight cents a pound, depending upon quality and length of cure. on quality and length of cure.

on quality and length of cure. Prices on No. 1 American cheese: Chicago.—Twins 15¼@16c; single daisies 16@16¼c; double daisies 15½@16c; Young Americas at 17@17½c; Longhorns 15½@16c; Swiss 40@42c; No. 1, 31@32c; No. 2, 21@22c; limburger, one pound, 20@21c; two pound 18½@19c; brick 14½@15c.

Hogs.

Receipts 15 cars. Strong; medium and heavy at \$10.75@11; yorkers and pigs \$11@11.25.

Sheep and Lambs.

Market steady;

Shorthorns.—May 10, Fair Grounds, Greenville, Central Michigan Shorthorn Breeders' Association. M. E. Miller, Sec'y, Greenville, Mich. Shorthorns.—June 21, H. C. Prescott & Sons, Tawas City, Mich.

Live Stock Market Service

Wednesday, April 26.

DETROIT

Cattle,		
Receipts 554. Market st	rong.	
Best heavy steers\$	7.00@	8.00
Handyweight butchers	7.25@	8.25
Mixed steers and heifers	6.50@	7.00
Handy light butchers	6.00@	6.75
Light butchers	5.00@	6.00
Best cows	5.00@	5.50
Butcher cows	4.00@	4.75
Common cows	3.00@	3.50
Canners	2.50@	3.00
Choice bulls	4.50@	5.55
Bologna bulls	4.25@	4.50
Feeders	5.50@	6.50
Stockers	5.00@	6.00
Milkers and springers\$	45@	75

Veal Calves.

Receipts 1051. Market is active on good grades, slow on common.
Best

Hogs.

Sheep and Lambs.

Receipts 218. Market steady and

 Light to common
 5.00@ 9.00

 Fair to good sheep
 7.00@ 7.50

 Culls and common
 2.00@ 3.00

CHICAGO

Hogs.

Estimated receipts today are 16,000; holdover 7,624. Market steady to 10c higher. Bulk of sales \$10@10.55; tops \$10.65; heavy 250 lbs up \$10.20@10.40; medium 200 to 250 lbs \$10.35@10.65; light 150 to 200 lbs \$10.50@10.65; light lights 130 to 150 lbs \$10.15@10.55; heavy packing sows 250 lbs up \$9.65@9.85; packing sows 200 lbs up \$9.15@9.45; pigs 130 lbs down \$9.25@10.30.

Cattle. Estimated receipts today are 8,000.

Market active and 10@15c higher. Beef Market active and 10@15c higher. Beef steers medium and heavy weight 1100 lbs up \$8.65@9.25; do medium and good \$7.65; 8.65; do common \$6.90@7.65; light weight 1100 lbs down \$8.35@9.15; do common and medium \$6.90@8.30; butcher cattle heifers \$5.65@8; cows \$4.50@7.65; bulls bologna and beef \$4.15@6.50; canners and cutters cows and heifers \$3.35@4.50; do canner steers at \$4.25@5.50; veal calves light and handyweight at \$6.25@8.25; feeder steers \$6@7.75; stocker steers \$5.75@7.65; stocker cows and heifers \$4.15@5.90.

Sheep and Lambs.

Estimated receipts today are 16,000. Market steady. Lambs 84 lbs down at \$12.50@14.75; do 85 lbs up \$12@14.50; do culls and common \$9.25@12; spring lambs \$10@13; ewes \$7@9.75; ewes cull and common \$3.25@7.

BUFFALO

Cattle.

Receipts two cars. Market is steady. Butchers are strong. Choice to prime shipping steers 1400 lbs and up \$8.25 @8.65; good to choice shipping steers \$8@8.25; light native yearlings good quality \$8@8.50; best handy steers at \$7.40@7.60; handy steers and heifers \$7@7.25; western heifers at \$7@7.25; light Michigan butchering heifers at \$6.25@6.50; best fat cows at \$5.50@6; \$6.25@6.50; best fat cows at \$5.50@6; cutters \$2.50@3; canners \$1.50@2.25; best heavy bulls \$4.50@5; heavy bologna bulls \$4.25@4.50; common bulls \$3.50@4; best feeders 700 to 800 lbs \$6@6.25; medium feeders \$5.50@6; stockers good \$5@5.50; light common \$4@4.50; best milkers and springers \$60@85; mediums \$35@50.

Calves, tops at \$9.50.

Receipts three cars. Market steady; top lambs \$15.75; yearlings \$12@13; wethers \$9.50@10.



Study This HOOSIER Block! Those four patented corner-braces (exclusive HOOSIER features) make it the strongest, most efficient block on the market. Excels all others in load-bearing capacity. HOOSIER Tile are standard 5-wall olincher-joint, fire-clay blocks, Absolutely first-class material. Prices reduced to rock-bottom. Buy NOW for prompt delivery from stock. Put your farm on a FERMANENT basis with HOOSIER Tile dwellings, poultry houses, hog barns, etc. Write for Special Discount Prices to Early Buyers. Ask about Special Agents proposition, also literature and free plans of buildings you need.

HOOSIER SILO CO., Dept M99
Albany, Ind,
HOOSIER TILE for Barn and Silos. Proof against fire, frost moisture and vermin. Save their cost annually in better hous-ing and feeding condi-

R. K. TIRES-

on Their Toughness-For We Guarantee Them!

Behind our belief in the R. K. Tires toughness is our guarantee that they will make good on the rockiest, meanest roads. Rebuilt so they are double-tread, chain stitched, and twice as much fabric and cord in their tough little selves as the average tire is. Little priced—but guaran-teed through and through!

- 1260 Care	Size 30x3 30x31/2 32x31/2	 Price \$5.00 5.50 6.00	Size 33x4 34x4 33x43	6	Price . \$7.50 . 8.00 . 9.50
	31x4 32x4	 6.50	34x4% 35x4%		10.00

2 per cent off for cash with order.

10 per cent deposit required with all C. O. D. orders.

R. K. TIRE COMPANY 837 No. Broad St. Dept. C. Phila, Pa.

Good Territory Open for Live Agents

Ensilage Corn

West Branch Sweepstakes

Biggest Eared, Biggest Fodder, Earliest and Best Ensilage Corn for Northern 40° 41'. Bushel 56 lbs., shelled and graded \$3.00.

Sample sent on request.

Chaapel's Seed Store Dept. C. Williamsport, Pa.

Bee Hives, Section Boxes



Comb foundation, Smokers, etc. Complete outfits for beginners. Agents for the A. I. Root Company, in Mich-igan, Send for catalog. Beeswax

Berry Baskets and 16 quart crates. A grade wood quart baskets, and waxlined paper baskets. Special offer of 200 waxlined paper baskets postpaid for \$1.70, to towns within 150 miles of Lansing.



Send for Price List.

M. H. HUNT & SON,

Box 525.

Lansing, Mich.



Save over \$100-assemble it yourself

Get this wonderful new complete 32-volt plant for your farm and home. Lowest cost light for house, barn and yard, power for washer, sewing machine churn, separator, etc. Simplified, dependable, no useless fixings, low upkeep, highest quality, price out to bedrock. Why pay others \$300 to \$500? Save entire cost to install; do that yourself. Absolutely guaranteed: 9 years success; 30 days free trial. Free booklet tells all, send for it. Engineering Laboratories, Dept. 123M. Sandusky, 0.

PECKY CYPRESS

"The Wood That Last Forever" For hot houses, cold frames, hot beds, celery boards, root houses or any place that ordinary wood rots quickly.

J. P. Scranton and Company, Detroit, Michigan

Chaffee's Crow Stop. Stops crows from pulling corn, saves replanting, half pint can enough for one bushel shelled corn 31. One pint \$1.50, prepaid. JESS CHAFFEE, Northfield, Vt.

Men Wanted—In every town and farming community in Lower Michigan. Big money, easy work, Whole or part time. No soliciting. O. TURNER, Powers, Mich.

HAY SHIPPERS, for highest prices bill all cars to The E.L. RICHMOND CO., Detroit.

DEMAND SPUD PEDIGREE NOW.

the potato that cannot trace its pedigree back through a long line of pure stock, and demand recognition and respect, will find scant sympathy from growers in this state.

It all came about at a recent meeting of the executive board of the Michigan Potato Producers' Association, in Cadillac. The board members spoke slightingly of the common, ordinary breed of potato and in the same breath sentenced it to oblivion. From now on class, and class alone, is to count.

The spend expected with the same breath as popular as ever, according to state-

In addition to demands for a registered genealogy the men who hold the destinies of the dinner table in their the wool at time of pooling, issuing a hands, decided that all seed potatoes, warehouse receipt showing by grades to be certified in Michigan, must be the weight of wool pooled and provid-

the quality of seed potatoes, and the officials have agreed that 5,000 growers in Michigan shall hereafter plant grading campaign is to begin in the only potatoes that have been certified.—M.

The data work pool pool to the state and will work north. Pooling points for the week of May 1 are:

PLEAD GUILTY.

OVER in St. Louis where the farmers established a cooperative commission firm for the handling of live stock, a boycott was instituted by the tings. old line commission firms. Charges were filed against these men by the secretary of agriculture and at a brief hearing on April 6 the entire membership of the St. Louis Live Stock Exchange pleaded guilty to the government's charges.

A CCORDING to the index numbers of wholesale prices issued by the bureau of labor statistics, quotations on farm products during March were slightly higher than in March, 1921, while all other groups of commodities were lower this year than they were a year ago. This advantage to the farmer is partly offset by a decline during the year of eight per cent in prices in the "foods" group which includes many farm products such as butter, eggs, potatoes and apples which are sold to the consumer without an intervening process of manufacture.

	March,	March
	1922.	1921.
Farm products	. 128	125
Food, etc	. 138	150
Cloths and clothing	. 182	192
Fuel and lighting		207
Metals, metal product		139
Building materials		208
Chemicals and drugs .		171
Housefurnishing goods		275
Miscellaneous		167
All commodities	. 152	162

March prices upon farm products compared with those in February, 1922, were slightly higher while the foods group was unchanged. Most of the others showed little or no change and the general average for all commodi-ties was only 0.6 per cent higher than

The price index numbers show that there is still a marked lack of adjustment between the different groups. Metals and metal products are four-teen per cent, and farm products are twenty-eight per cent higher than in 1913. On the other hand, housefurnishing goods are 113 per cent, and building materials 102 per cent higher than in the last pre-war year.

MICHIGAN'S 1922 WOOL POOL.

RECORDS for Michigan wool pooling were established at Charlotte and St. Johns last week when at special local pooling dates preceding the opening May 1 of the State Farm Bureau's 1922 wool pooling campaign, less than five per cent of the wool pooled at the two towns was discount

THE lowly spud has broken into society in Michigan and henceforth he potato that cannot trace its pedicree back through a long line of pure tock, and demand recognition and repect, will find scant sympathy from rowers in this state.

It all came about at a recent meeting of the executive board of the Michigan and pedical specific control of the second is made even more significant, says Don Williams, manager of the pool, by the fact that wool coming into the Lansing warehouse from all sections of the state is showing that same remarkably low per cent of reject wool as compared to the pooling year of 1920 and that of 1921, when a considerable improvement was noted over 1920. This year the results of the local grading campaign of 1921 are becoming apparent.

The spud experts did not stop there. as popular as ever, according to state ments made by the wool poolers.

The bureau is making a forty per cent advance on the current value of free from disease. So the society spud in for final settlement when the 1922 pool is closed out. Three grading teams will take the field May I, begin-tothers, further degrading the latter.

The association desires to improve the quality of seed potatoes, and the

ere pooled. The farm bureau's wool pool's local

May 1.—Adrian, Eaton Rapids.
May 2.—Adrian, Chelsea, Mulliken.
May 3.—Tecumseh, Dexter, Belle-

May 4.—Onsted, Saline, Charlotte.— May 5.—Addison, Saline, Nashville. May 6.—Hillsdale, Manchester, Has-

May 7.—Hillsdale, Brooklyn, Delton. While the recent demand for wool been rather limited in volume, the foreign markets, both primary and secondary, are very firm with a tendency upward, according to advices to the farm bureau wool department. The American Woolen Mills recently announced an increase of ten to forty-five FARM PRICES HAVE BEST COMEBACK.

A CCORDING to the index numbers of wholesale prices issued by the hungary of labor statistics, quotations at prices that have prevailed of late. at prices that have prevailed of late. He further predicted that the country is on the ever of another prosperous

WOOL

Mills began to buy wool freely again last week. The American Woolen Co. was said to be a heavy purchaser of three-eighths and quarter-blood wools at both Boston and Philadelphia and are sold to the consumer without an intervening process of manufacture, at both Boston and Philadelphia and The biggest declines in other groups occurred in fuel and lighting, metals and metal products, and house furnishing goods. The following table gives more interest, indicating that manuthe actual index numbers, using the actual index numbers, using the 1913 price level as 100:

March March March March Prices facturers' stocks are not large. Dealers have been buying and new sales of Arizona wool were reported. Prices were steady but the renewal of activity forecasts higher prices later on. Foreign wool auctions are strong and yarn mills in Bradford, England, refuse to sell for delivery earlier than August. The goods market has been steady with woolens receiving more attention than worsteds. attention than worsteds.

CORRECTIONS.

The signature to one of the articles recently published on repair shops should have read E. Lamoureaux instead of E. Lamanreux.

The address of Frederick, J. Kueffner, prize-winning grain grower, should be Frankentrost instead of Frankenmuth, as published in a recent number of the Michigan Farmer.

In reporting the N. Fay Borner Poland-China sale a snort time ago error was made in referring to the sale as of animals consigned by different part-It should have stated that these parties had bred some of the stock offered but that all was owned by Mr. Borner, of Parma, at the time of the sale. His sale average was \$69.08 instead of \$68.08 as published.

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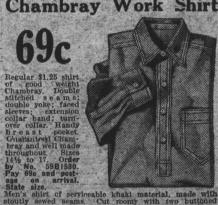








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