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Sire and Son Make Breeding History

OT all the pigs owned in boyhood days by farmer boys return to father's ownership as rhymed in the accompanying couplets, but the little rhyme too nearly tells the truth to be pleasant. This condition should be a menace to the peace of every hog man's conscience until he enters into a better working agreement with the sons growing up on his farm. Early cooperation between sire and son would often prevent later regret by both, and many a father grown old in the business would retire from his life's work better satisfied if he had formed a closer partnership with his

"I left my Dad, his farm, his plow, Because my git became his sow. I left my Dad for evermore Because my pig became his boar."

THE editors take special pride in presenting this story from the pen of Robert J. Evans to the boys of Michigan. Mr. Evans, who is secretary of one of our leading live stock associations, has had a wide experience studying and observing the relationship of fathers and sons in the business of breeding purebred live stock. What he has to say to fathers and sons too nearly tells the truth to be pleasant. Boys, read this story and pass it on to your father. It will do him good to read it.

son, while the latter was developing into manhood.

One of the cases which the inquiry from this paper brought to my mind, carries with it so much of the ideal condition that we could not refrain from trying to present to your readers a story that would give to senior readers food for thought, and give them a vision of the possibilities that lie in team work between them and their sons.

It is fortunate for any boy to be well born. It is still more fortunate if he be born of parents who have (Continued on page 786).

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DETROIT, MAY 15, 1920

CURRENT COMMENT

The Rural School Problem

And in days gone by our country below normal in quantity. schools have turned out a gratifying proportion of the best type of American citizens, largely because of the class of matured men and women who made teaching their profession and the country schools their field of usefulness.

our country school system, by which The man who is able to devote his return of normal production costs or price of butter in New York the retail at least the more advanced grades energies to making the best of a bad an era of more compensatory prices, price has declined only seven cents. school.

desirable as a means of crystallizing farms. rural ideas as to the best method of revitalizing our country school system, and making it measure up to the needs of the present generation.

The Farm Labor Situation

N view of the speculative estimates of

survey was made statewide, and the cated one for many farmers. data secured were gleaned from the Judicious crop rotations, the periodimost reliable sources, hence the result cal use of leguminous crops, and the of the survey, while only approximate, use of chemical soil correctives and may be taken as an accurate index of plant foods have been the common labor and production conditions on means employed to the desired end of Michigan farms.

vey show that the farms of Michigan occasion have necessitated the variaare short 24,900 farm hands this year, tion or abandonment of tried and esand that the percentage of decrease tablished crop rotations, and producin cultivated lands as compared with tion and transportation difficulties 1919 is 15.8. In addition to the loss in have operated to limit the use of soil production as a result of idle land, correctives and fertilizers far below there will be decreased production on the desirable point. And now the scar-

due to a general disinclination of farm- important factor of leguminous crops Nor should the "star boarders" in the ers to gamble on the proposition that in the rotation on many farms. the state are not inclined to place de- crops is the most important and should costs and market prices. pendence for harvest needs on city be most religiously adhered to. Where vacationists, who are inexperienced in clover seedings have habitually failed, great value during the two weeks' pe- a soil corrective that the growth of the riod which most of them would spend plant may be encouraged by the stimin aiding production, nor would this pe-ulation of the nitrogen-fixing bacteria riod of aid serve the average farmer's for which it is the host plant. The conneeds.

farmers, is that the dairy industry of help to make the industry profitable is being installed in Belgium by which the state is being particularly affected where it would otherwise fail, hence by the farm labor shortage. Reports the wisdom of making any other sacriform the various counties were practifice necessary to maintain this great lutionists improve their position in the cally unanimous in that dairymen were factor in the conservation of soil Mexican imbroglio. reducing the size of their herds, the fertility. consensus of the estimates being that during the last year dairy production has been reduced in Michigan to the extent of 11.3 per cent.

The facts developed by this survey are passed on to our readers to enable them to better judge market conditions

dairying. They have investigating Japan's political aggressions in Siberia.—Utah's eight republican delegates will go to the national o other single fact as they develop that the situator in moulding the season's crops. While the situator in moulding the season's crops. While the situator in moulding the season's crops. While the situator is moulding the season's crops. While the situator is moulding the season's crops. While the situator is moulding the season's crops. These conditions trade is feeling the full effects of the production costs. These conditions trade is feeling the full effects of the production costs. a high type of cit-tion is not a matter for felicitation, it izenship has been of at least points toward remunerative comparable influence prices for the season's products, even to our public schools, though they will almost certainly be

> Keeping Up Business Morale

than a pessimist. Ev-

ed greater reward for service, and from the greater pleasure derived from men will keep this fact in mind they ed greater reward for service, and from the greater pleasure derived them men will surely profit from it. If, instead eigners.—The scarcity of material for men and women have yielded their a habit of thought, it will in most casof going out of the business entirely the manufacture of newsprint paper is the basis for another advance in paper places to inexperienced girls, who es prove an important factor in our as many are doing or contemplating, turn to teaching as a temporary occu-business success. A hopeful and opti- they would reduce their operations by pation, and are thus willing to serve mistic outlook will aid us in making disposing of their poorer producing for smaller pay which it generally af- the best of discouraging conditions in- cows; they would be taking a long

would be taught in a centralized situation, instead of giving up to it or which will surely follow present concomplaining about it has won a worth- ditions. Early experiments along this line while victory over a natural tendency were not as successful as their advo- and made a long stride toward busicates had hoped, but present condiness success. Right now the country tions are more favorable to the suc- and the world is in need of more optimcess of the plan. The general discus- ism. May it emanate in large meassion of this subject would seem to be ure from the men and women of our

> Conserving Soil Fertility

HE conservation of soil fertility is an important factor of management, farm particularly to the great class of Ameri-

shortened production can home-owning farmers. And there on Michigan farms is a gratifying and very general apprethis year on account ciation of this fact among Michigan of the difficult labor farmers which promises well for the situation, the Michigan State Farm future of our agriculture. But new and Bureau recently made a survey of the unusual conditions are constantly arisstate to determine the facts. This ing which make the problem a compli-

conserving and improving soil fertility. The figures compiled from this sur- In recent years the exigencies of the

farms which are being operated due city of good grades of clover and al- ficed because of temporarily discouragto the planting of crops which can be falfa seed and the handicap of labor ing conditions. harvested with a minimum of labor, conditions threaten to reduce the all valuable when the reaction comes.

stant use of clover or some kindred A fact developed by this survey legume, as alfalfa or sweet clover, will

> Dairy Prices and Prospects

production if long continued. But they just as surely point toward a reaction THE advance of the Polish troops which will make the business more profitable in the end, which is a fact every dairyman should keep in mind an optimist better in mapping out his future course.

THE advance of the Polish troops toward Kiev is creating consternation among the Bolshevist dictators at Moscow.—Delaware senate passes woman suffrage amendment to federal an optimist better in mapping out his future course.

Without question the skilled dairyery one of us would man is in the best position to reap an rather live in a cheer- adequate profit from milk production ful atmosphere than under normally favorable conditions, But other lines of effort have yield- in a slough of depression. And aside and if our large class of good dairythe present crisis and profit from a

Valuable cows should not be sacri-

FRANK H. WILLIAMS



The recent death of Frank H. Williams removes one of the leading workers for the uplift of agriculture in Allegan county and in Michigan. It was largely through his untiring labors that the present Allegan Farm Bureau was put on a solid basis. Interested in agriculture during his early life, he never lost interest in any movement for the betterment of the living. rural living.

dairy herd be longer harbored under the needed labor will appear at har- Of all the factors in the conserva- present conditions. Keeping them is vest time. The result of this survey tion of soil fertility on the average poor business at any time and doubly also makes it clear that the farmers of Michigan farm, this use of leguminous poor in view of present production

farming and obviously cannot be of some form of lime should be used as News of the Week

Tuesday, May 4.

POLISH troops continue to drive Bolshevik forces back and are now within fifty miles of Kiev; two hundred American-built locomotives are A fact developed by this survey legume, as alfalfa or sweet clover, will said to have been captured by the of special interest to a large class of be found profitable. In fact, this will Poles.—An international time bureau

Wednesday, May 5.

OHNSON leads Hoover in the race FOR no class of republican nomination for president.—
farmers has the Great Britain and Russia deal directly situation been more in the arrangement for a trade parley.

—Carranza receives ultimatum to abdiscouraging than for dicate the office of president of Mexi-those engaged in co on May 15.—America's officials are point unavoidably toward decreased financial crisis now being experienced in that country.

Thursday, May 6.

constitution.—A new Spanish govern-ment has been formed under Premier Dato.—Carranza's army appears to be rapidly crumbling before Mexican revo lutionists.—The railway strike in France is reported to have been brokn.—The Soviet government of Russia for July 1.

Friday, May 7.

ARRANZA is reported to have fled fords as compared with commercial stead of succumbing to them and giv- step toward ultimate prosperity. If the war-risk board there are 641,900 work. And for the most part, the ingup the battle as "of no use to try." the dairymen of every community veterans of the world war who are deschools have grown smaller which Optimism is always a virtue to be a school of the world war who are deschools have grown smaller which Optimism is always a virtue to be a school of the world war who are deschools have grown smaller which Optimism is always a virtue to be a school of the world war who are deschool of the world war work. And for the most part, the ing up the battle as "of no use to try." the dairymen of every community schools have grown smaller, which Optimism is always a virtue to be apgenerally means less efficient as well. preciated in us by others, as adding the present need is for larger to the charm of our personality. It is schools and better teachers. This is as well a more substantial virtue in its a change which it seems apparent can effect of keeping up our business be secured only through a change in morale.

The dairymen of every community veterans of the world war who are dependent upon the bounty of the counting, they would place themselves in a position to intelligently weed the unspection of the world war who are dependent upon the bounty of the world wa

Saturday, May 8. C ONFERENCE is held in Chicago under the supervision of Julius C. Barnes, United States wheat director, for the reestablishment of an open probability of the representative states. market for wheat.—Representative Platt, of New York, is appointed a member of the Federal Reserve Bank Board.—Eastern bankers are opposed to additional loan fund for railways. One hundred stock exchanges organize to fight the proposed tax on all stock transactions.—Connecticut may call a special session of her legislature to act on the ratification of the suffrage amendment.

Sunday, May 9.

M EXICAN affairs are becoming more favorable to revolutionists. Vera Cruz and Laredo fall to the rebels; Carranza's aid slaughters political foes in Mexico City, which brings the president near arrest; Francisco Villa yields to the control of the new revo lutionary movement.—The Louisiana legislature will again vote on the suffrage amendment and leaders are hoping it will be the thirty-sixth state to ratify the measure and thereby extend suffrage to all women in the country.

Monday, May 10.

GERMAN government troops evacuate Essen and Mayerice.—The increased service demanded from parcel post during railway labor trou-bles and the increased losses of parare rapidly depleting the appropriations for this branch of the post office department.—Michigan's sugar beet growers continue firm in their position that they will not grow beets until the manufacturers are willing to concede to them a hearing on the terms of a new contract, according to A. C. Ackerman, secretary of the association sociation.

Big Business Recognizes Agriculture

as one of the country's important

ters in Washington. Heretofore it has by the public in its judgment of the steel to manufacture their products at military program. confined its efforts almost entirely, if farmer's prosperity. not exclusively, to industrial relations and the problems of labor and capital. Hence, it is very encouraging to the farmer that this recognition of his problems should be presented at this time when everything is in a state of deterioration after a period of war and destructive pursuits.

The subject of discussion for the session was "Agriculture in Relation outlined very clearly the work of the ill clad.

tells you whether to take an umbrella hog.

ril 28, 1920, when the Hon. E. T. Mere- clear statement of the problems con- corn, oats, with no market outlets. dith, Secretary of the Department of fronting the farmer, the business man,

farm yields over the past year is utter. avoided. ly impossible. But if it were possible, let me ask, would it be desirable or necessary? Allow me to call your attention to two or three facts.

to Production." Hon, E. T. Meredith food products or clothing within our the farmer himself. The farmer is the in tillage. explained the government's part. He borders. No one has gone hungry or largest single purchaser of food, shoes, Department of Agriculture and how it lines are forgotten elements of national steel annually than do the railroads. has assisted production, how the cer- life. Standards of living have every- Under-production in any of these eseals have increased from thirty-eight where advanced. If food is high it is sential lines becomes a vital factor in bushels for each man, woman and not because it is scarce. To increase increasing the cost of agricultural prochild, to fifty-two bushels, and the part the amount of food would not cheapen duction. of each division of the department in it, since more could not be consumed,

say you are not interested, that you has already overloaded the marketing world. Must his brain and brawn now capital be each in its proper setting."

a loss? Agricultural over-production

Under-production would, if persisted "There has been no shortage of food, in, cripple all industry and react upon Soup kitchens and bread clothing and lumber. He uses more

"The time for inventory is at hand. maintaining production. He deplored or disposed of under present condi- present stocks must be counted. The the fact that appropriations for the tions. To produce more would mean future is to be considered. What is cut and that present salaries are too went to produce the waste would nec-dustry of the next decade regarding low to attract capable men and hold essarily be added to the cost of that agriculture? Is it to be a period of which was consumed. Moreover, it is enforced competition with food prod-"The business men and the daily and not the price paid the farmer for his ucts brought in as ballast for ships business press should support the De product that determines the cost of carrying outgoing cargoes? Is the hand possible, must be adjusted. partment of Agriculture as a business the food or clothing. To ever have re- which has fed and nurtured the nation proposition. Agriculture is the very duced costs of living must mean re- to compete with the cooley and the -there shall be serious thought given basis of business," said Mr. Meredith. duced costs of transportation, market- serf? If so, then the farmer must de- to the agriculture of the future. Defi-"No other department touches each ing and distribution; and the lessening mand the same import protection nite policies will be adopted that the one of you as often. It inspects your of the margin between the price which which he has ever contended should food supply of America may ever come beef, stores your eggs, raises your cot. the consumer pays for the ham and be granted the manufacturer. He has from her own boundaries, produced not ton, the fabric of your auto tires and that which the producer gets for the always insisted that the American by a peasantry, but by an educated and laborer must be better fed and better thoughtful husbandry. Then, and not when you go to the theater. Do not, "Agricultural production, moreover, paid than any other laborer in the till then, will agriculture, labor and

GRICULTURE was recognized are not farmers. Give us your support," and transportation facilities of the be placed at parity with that of low-James R. Howard discussed "The country. Just now the country elevat- waged competition? If that is the proindustries Wednesday night, Ap- Farmer's Part." He made a very ors are filled to the roof with wheat, gram of the future, definite preparation should be made to meet it for "If there is no place at home or it would very soon create a situation Agriculture, and James R. Howard, and the nation. He said in part: abroad for the surplus to go, why pro- wherein we would not produce our President of the American Farm Bu- "Judged by the price which the farmer duce a surplus? Should not the farmer own sustenance. And when the time reau Federation, delivered addresses has received for the last year's crop as well as the manufacturer study comes that we depend on other nations before over three thousand business compared with the cost of production, carefully, supply and demand, and not for our food supplies, we must be premen at the Eighth Annual Convention farm values of food products are the produce more than can be marketed at pared to guard every road of the high of the Chamber of Commerce of the lowest in many years. This statement a profit? Has the public any more seas. A permanent agricultural policy you will note implies that the cost of right to ask the farmer to grow his and a measure of national defense is The chamber is distinctly a business farm operation is tremendously high, crops at less than production cost than vastly more important to our whole men's organization, having headquar- an item which is too often overlooked to ask the manufacturers of shoes or citizenship than is a national naval or

> "Hence the farmer urges that indus-"In considering agricultural product means a waste of energy and fertility, try now give careful thought to the tion, allow me to say first that under It depletes the future food supply of future of its basic materials. There present conditions an increase in the the unborn generations. It must be are no more acres of tillable lands to be brought under cultivation, barring a "I trust you will not get the thought few million that at great cost may yet that I am an advocate of under-produc- be irrigated and small tracts of wet tion. Far indeed am I from it. Ade- land which may sometime be drained. quate production must be maintained. But in amount these are insignificant. America, then, must feed and clothe her growing population from lands now

"Can it be done? Only the ignorant or the pessimist would say 'No!' Agricultural science already has done much, but in reality has only tickled the field of possibilities. But science is dependent upon man to transform knowledge into reality. Good roads, schools and churches and home owners with modern homes are vitally esmaintenance of the work have been waste and the economic costs which to be the policy of the captains of income when the farm market comes into its own. These conditions of labor and price schedules which at present make an increased production im-

"Sometime-and may that be soon

Facilities for Pooling Michigan Wool, the Best

T is very certain that no state in the Union has the facilities for handling wool at lower cost than is given to Michigan sheepmen. The large to store two million pounds of through the Farm Bureau. wool, equipped with complete fire proknown to the wool grower.

complete system of grading, storing any consignor can, on application have and selling has been worked out.

There is practically local option in : each county for assembling wool. The county agent or someone else, if there is no county agent, becomes the representative of the Farm Bureau, from whom sacks are obtained. A cooperative elevator, live stock shipping association or local elevator may assembling place. The wool of large sheep owners may be sacked on the farm. Assembling days and points are arranged for, but in no case is it expected that the cost will exceed one cent per pound for local assembling. Sacks are not charged for except as a matter of book keeping. A minimum carload is sixteen thousand pounds. Persons having wool where carload assembling is not possible, can make good money by sending their wool in to the Farm Bureau warehouse at Lansing where local freight and charges will be paid on arrival. One county agent who is a hustler already has

Farm Bureau Furnishes Splendid Equipment for Handling 1920 Wool Clip.

for this and other purposes sufficiently of wool contracted for, to be handled value remitted to him. Plans are be-power to adjust prices on the basis of

make the lowest cost of handling ever graded by an official wool grader into through the bank holding the shipper's Those engaged in actually handling by the various mills and sold on these this plan is used it provides immediate the money are under bonds and a most grades. When the wool is graded cash for the wool clip.

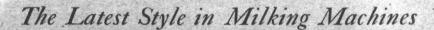
ing considered that will allow the cona dozen or more grades as demanded receipt which is used as collateral. If

Every fleece of Michigan wool should

be marketed through the association because it gives volume selling power. This system of wool marketing as it is being worked out will give the varpurchase of a warehouse in Lansing one hundred and fifty thousand pounds seventy-five per cent of the estimated ious wool marketing associations the production costs. Ohio and Iowa are When the wool reaches the ware- signor to use his local assemblers' re- the pioneers in wool marketing assotection, low insurance and a system of house it will be weighed in bulk to ceipt at his home bank and the remit-ciations and this year practically all receipts as a bonded warehouse, will check with assembler's weights, then tances may be made consignor to and the north middle states are establishing state selling associations. The Ohio wool growers last year were advantaged around ten cents per pound over local market range of prices. The local wool buyer has as a rule, never made much money in this line, he being the mere agent and handler for the big dealers and was powerless to pay the prices that the market would warrant. Ralph Pickell, the noted grain and farm crops editor of Rosenbaum's Review, a trade journal, has this to say of wool buyers' practices:

> "During the war the Unite government assumed control of the wool business. It established concentration points, fixed values of each lot as it came to market and limited dealers' profits, but the latter in many cases, especially in the farming states, ignored regulations and by making misrepresentation to growers, profiteered in brazen manner. Long before the 1918 clip had been marketed this was recognized and assurance given by Lewis Penwell, in charge of wool control, that these dealers would be required to make restitution.

"Penwell, however, is out of office, government wool control has been re-





controlled wool was valued."

linquished and middlemen who defied Michigan firm of wool handlers that an opening price from fifteen to twen- tem heretofore has been equally flagthe law are in possession of illegiti- they have reimbursed the United ty-five cents below what these actual rant and the Michigan Farm Bureau mate profits. Nothing more is heard States government and the latter have grades were worth at the time. The through its wool division at Lansing of collection, or restitution, of a sum not distributed this to the growers. past methods of wool selling compelled has opened the way for increased profvariously estimated at \$600,000 to \$1. Every wool grower who sells his wool dealers to pay a price which meant a its to the wool grower. 000,000, although fourteen months have in the old way is simply fastening this safe margin and the grower insured a London wool auctions have shown elapsed since the last of government system of undervaluation which the profit to someone other than himself, firm prices and this is also true of the war revealed and withdraws his sup- even though prices should fall. To the eastern markets, although a bear price This same condition has gone on for port to the sales system of the united farmer who has realized a profit on movement is usually engineered duryears and it was only until government wool growers through the Michigan selling live stock through a coopera-ing the spring buying season for the control-revealed it that wool growers Farm Bureau at cost, which probably tive live stock shipping association, or sole purpose of getting wool cheaper. could lay their hands on the weak will, if the volume is large, not exceed a potato grower through the potato The price of wool could be multiplied spot in the system which undervalued two cents per pound after reaching exchange, or a dairyman through the by one hundred per cent and then repand undergraded their wool. It is to the warehouse. In conversation with milk producers' association, it may be resent about one-fifth of-the cost of a

be said, however, to the credit of one a local wool buyer recently he stated said that the abuses of the wool sys- suit of clothes,

ews of the Agricultural World

ED SEEDS.

ed States and Canada as far as the Bureau.-Henshaw. cereal grains are concerned, the board of directors of the Michigan Crop Improvement Association has fixed its scale of seed prices in relation to the THE Farm Mortgage Bankers' Asso- normal promptness. Mortgages con-prevailing market figures more than a Ciation's questionnaire to corres- servatively placed on improved farms

association is cooperating with the thus summarized by E. D. Chassell, and financial convulsions." newly created seed department of the secretary of the association: Michigan Farm Bureau in the sale of the registered seed grown by the asso- Mississippi valley states, passed with ciation's members. J. W. Nicolson, failure of less than one per cent of the R EPORTS secured by the federal counties the plan of county organizamanager of the department, formerly sales. Iowa, the 'storm center' of the R department from its representation includes two other features, conwas secretary and treasurer of the as- boom, reported scarcely any failure of tives in practically every state in the sidered equally as important. Homesociation and a member of the farm sales except forfeitures by speculators Union show that the supply of hired making, the second feature, is less crops department at M. A. C., and without money. Conditions in other farm labor in this country is only than half organized and junior work,

spring. They have come from surroundthe awards.

"The average price of the Chicago of the association, following the meeting of the directors at East Lansing last week, "during the time of July 15 to the time of printing the seed list (about August 5), will be taken as the basis for the price list. To this price will be added the following margins which will cover the increased cost of producing and marketing registered seed.

price will be \$4.25 for six to twenty- the opportunity presented itself.

BECAUSE Michigan has become the buyers should negotiate in regard to and federal land banks at a critical of the present situation, it will not be seed producing state for the Unit- price with the State or County Farm time. The present has been cared for, in as large proportion as the reduc-

LAND BOOM IN WEST HOLDS.

month earlier than is usually the case. pondents in twenty-two states regard- will continue as premier security, their HOME-MAKING AND JUNIOR WORK This year is the first in which the ing the land boom brought information stability least affected by strikes, wars

therefore will be in a position to coop- states were similar. The well-defined about seventy-two per cent of the nor- the work for boys and girls, has hard-Requests for information about pros- held steady and will continue, although mately eighty-four per cent of a nor-

ing states and from distant agricul- hands. Purchases in the southwest as that of two years ago when large cause it affects the farmers of the futural sections. It is believed that the were well financed by local banks and numbers of men were in the military ture. Its work proper is to push speunprecedented demand is the result of loan companies. Rocky mountain and service. the splendid showing made by Michi- Pacific states had considerable activity gan grains at the International Hay and expect nearly all obligations will spite of the fact that farm wages are under the direction of a trained speand Grain Exposition at Chicago last be met promptly. Montana and North fifteen to twenty-five per cent higher cialist. The work will be participated November, when Rosen rye and Red Dakota, owing to poor crop conditions, than last year. The situation, unrem- in, as far as funds are concerned, by Rock wheat captured a large share of have had comparatively little land edied, cannot fail to have an unfavor the State Department of Education,

PRICES FOR MICHIGAN'S IMPROV- four bushel lots, and \$4.00 for larger Reserve system, were easily able to reduction in the prices of farm prodamounts. For amounts of one hundred handle the situation created by the ucts. While the total acreage 'unbushels or more it was decided that dropping out of joint stock land banks doubtedly will be reduced as a result National and international conditions tion in the labor supply, because the will govern the future, but with such farmers with their families are exertdevelopments as we may reasonably ex- ing themselves to the utmost to overpect, future payments will be met with come their handicap. ciation's questionnaire to corres- servatively placed on improved farms

impression is general that values have mal supply, compared with approxi- ly more than its foundation laid.

movement, but expect more this year." able effect on production, according to the State College of Agriculture, and Mr. Chassell concludes: "Local the United States Department of Ag-local workers who are sufficiently inmarket," said A. L. Bibbins, secretary banks, with the aid of the Federal riculture, and will tend to prevent any terested to supply a portion of the

FEATURED BY NEW YORK FARM BUREAU.

"March 1, settlement day in several FARM LABOR SHORTAGE ACUTE. Now that the county agent is established in fifty-five New York

pective seed costs have multiplied this the future depends upon crop returns. mal supply a year ago. This year's considers this last feature to be even "Most lands came into competent shortage is almost exactly the same more important than the others, becialized activities of a practical nature The present shortage has arisen in among the boys and girls of the state, funds needed. In several counties of the state the county bankers' associations are underwriting the work, which is admitted on all sides to be of prime importance throughout the state. Committees have been appointed to start URING the past winter a num. At first it was thought that the local campaigns to raise the amounts

In Wayne county for this year efup to the age of twenty years.

Farmers' Automobile Trip

By J. H. Brown

"Rosen rye, Red Rock wheat and in the extreme southern counties, mobile touring and camping, might from local sources. The State College American Banner wheat, lots of one to have personally asked, and written, us take charge of the details. After due gives \$25 per month for the first two five bushels, \$1.50; six to twenty-four regarding our conducting an automo- consideration it was thought best that months and then after the county is bushels, \$1.25; twenty-five to ninety- bile tour to some distant and promite writer assume the entire respon- thoroughly organized, \$50 per month. nine bushels, \$1.00. Michigan winter nent place or noted resort next sum-sibility of publicity, arranging of de- In the writer's county it is estimated barley, lots of one to five bushels, mer after the close of the wheat har- tails and take personal charge of the that \$1,500 will be needed in local \$1.25; six to twenty-four bushels, \$1.00; vest. A score or more car owners tour from beginning to end; also to funds to make up the amount required twenty-five to ninety-nine bushels, have asked us to take the matter up personally attend to all correspond- to put the work on a sound basis. and said they would like nothing bet- ence connected therewith.

ber of farmers of southern Mich- Michigan Farmer might take charge needed in the various counties. igan, some officials of the Michi- of such a tour, and the writer, as "Field The State Department of Education gan State Grange and Farmers' Clubs Editor," and a sort of veteran in auto- gives \$600, providing \$1,200 is raised

"For example, if the average price ter than a ten-day or two weeks' tour And so we now announce the first forts will be limited to the raising of of wheat on the market for this stated and outing, camping out nights along automobile tour of Michigan Farmer corn and to canning and sewing clubs. period be \$3.00, then the association the way and cooking meals whenever folks, to start Monday morning. Aug- All are eligible to enlist in the work (Continued on page 772).

-By Frank R. Leet AL-Always Ready to Help a Fellow in Trouble. GOSH! AL IT SEEMS AS IF THEM CREASES ARE AL, I'M GOIN' TO CALL SURE! POOR SLIM! HERE'S ON MY GIRL TONIGHT, YOUR PANTS HE DOESN'T THESE PANTS IN THE KNOW MUCH ABOUT PRESSI SLIM FOR ME? CLOTHES

Feed Prices Discourage Consumption

Present High Level of Values Leads Stockmen to Devote Larger Acreage to Feed Crops-By Sanders Sosland

nals have played a more vital part in late in the fall; again, some predict er than a year ago. swaying these basic price-making in- it may soon be felt. fluences than ever before. Markets are on an artificial level. Railroad reto a level far above their actual value \$2 will be paid for the grain at termi- there is an acute scarcity of the grain offerings is expected. to the feeder, whether dairyman, hog nal markets before the summer season at both interior and terminal points, Bran Consumption Restricted by High producer or cattle handler.

Conditions to Consider.

country auction sale, or privately from his neighbor, the bids are usually based upon the price prevailing at the nearest market. The producer seldom considers the value of the corn, or other grains and feedstuffs as well, by the returns from his feeding operations, which should be the correct basis for reckoning values. He overlooks the fact that serious delay would probably be encountered in shipping the grain to market and that as a result of the delay the market price is inflated. The country price should make sufficient allowance for this condition. The producer who fattens hogs and cattle for market quite often is heard to complain that he could have realized a greater profit-or offset a loss-by marketing the corn or feed in the raw form. He bases the value of the commodity upon the market value, and overlooks the fact that he probably made every effort possible to obtain cars for shipping to the terminal but failed owing to car shortage or congestion of traffic.

Not only the producers, but other close observers of market fluctuations have overlooked the transportation phase in analyzing probable price changes. However, the larger operators foresaw the difficulties under which the market would progress because of car shortage and similar factors. This element bought corn for future delivery in large volume, not necessarily because they wanted the grain—they really wanted only the profit-merely because they saw little hope for improvement in the movement of grain to terminals from the country and a consequent increase in the visible stocks. The bearish element placed stress upon the fact that the third largest crop of corn in history was harvested last fall. The fact that corn. both the carlots and the futures, have advanced approximately fifty cents a bushel in the past ten weeks, indicates who has profited.

Money Markets Give 1 rouple.

Still another influence, the importance of which as a price-swaying factor has become pronounced, is the tight position of money markets. In a sense the nuctuations in prices will represent a contest between factors surrounding the financial situation and the demand-supply situation, particularly as pertains to transportation. The strain on money markets is, of course, extremely bearish, and will tend to check the rising scale of prices, offsetting-to what extent it is yet doubtful—the effect of abnormal rail facilities. Tightness of money is forcing the sale of much grain which normally would be held for an advancing market. Country bankers are urging their customers to reduce their loan accounts by disposing of grain upon which loans have been made, Elevator

STRAINED transportation situ-interests at terminals and other hold-movement resulting from activity of south, where spring planting work is ation is altering the price structure ers of grain at markets will be influ-farmers in the fields. But the "bulls" progressing on a large scale, and from

Corn Values and Hog Prices.

is far advanced, basing this forecast resulting from the short crop a year largely on the probability of a contin- ago. There is a heavy consumptive

ture on feed markets of the Unit- enced similarly to the country holder have failed to consider the fact that the east and middle west. Foreigners ed States. Demand and supply are the by the tight position of money. How hogs, the heaviest consumers of corn, also have bought cars freely, but the ruling factors, of course, but the ser- soon prices will be affected to any are selling at approximately \$5.00 per high level of prices has restricted this ious shortage of cars and motive pow- great extent by the financial situation hundredweight less than a year ago, trade. It is improbable that oats will er and congestion of traffic at termi- is a question. It may not be felt until while the coarse grain already is high- suffer any sharp downturns on the old crop, owing to the short supplies avail-Oat Prices Touch New High Levels. able. Prices for the cash grain have Strength of an abnormal character advanced to a level around \$1.10 per At the present writing, cash corn in prevails in the oat market, the high- bushel, and the May delivery at this strictions on country shipments, as Chicago and other middle west mar- est levels in history being paid for the writing is up to \$1.00 per bushel. New well as the movement from terminals kets is selling around \$1.75 to \$1.81 a cereal. While the traffic situation is crop oats are making only slow proto consuming areas, have forced prices bushel. Some express the belief that an important factor in the oat trade, gress, and a late movement of 1920

Wheat feeds are attracting attention When the producer buys corn at the ued tight car supply and slackened demand for oats, coming from the by their ability to maintain prices at extraordinary levels. Though it is quite often heard that bran and shorts have reached such a price level that further advances are impossible, the market has been slowly mounting upward, and quotations which a month or six weeks ago were termed as remarkable might now be considered a "low" figure. This is the basis for the extraordinary conditions which surround the offal trade. Speculative operators who for some time have maintained that the top has been reached and that further upturns "are impossible" sold "short" in the hope of realizing a profit. But the impossible has become the actual in the bran and

shorts trade

Relief is in sight, but not so long as the strike of switchmen maintains its grip on transportation. Demand for flour over the country as a whole has improved considerably, but restricted shipping conditions have acted as a serious check against an increase in mill operations. Mills have been forced to further curtail operations, either because of inability to obtain cars for loading out flour or to obtain wheat to maintain activity. Bran and shorts production has necessarily been further curtailed, and, with the reduction in the output, prices have steadily mounted upward. Bran already has reached a figure which has forced a sharp reduction in the consumption by dairymen and other buyers. This, together with the fact that the season when pastures will be available over practically the entire country already is at hand, indicates a very light actual consumptive demand in prospect. The demand for bran even at present extraordinary price levels is not active, as market conditions might reflect, the strength being due more to the acute scarcity of supplies.

At this writing bran is selling around \$50 to \$51 a ton, sacked, for carlots in Minneapolis. Chicago quotes values around \$54 to \$56, St. Louis at \$57 to \$58, and Kansas City at \$52 to \$54. In the eastern markets the price level is around \$60 to \$63. Indicative of the abnormal situation in the bran market is the fact that mills in the far west, along the Pacific Coast, are making extensive shipments of the offal as far eastward as the Atlantic Coast, including the New England states. The freight rate on such shipments amounts to \$1.00 per hundredweight, which is even higher than the average pre-war price for the feed. The far western mills have been operating on a fairly active schedule, and without sufficient local demand to absorb offerings, premiums have been obtained on the distant shipments. Never before in history have such shipments been made, nor will they long continue, owing to the abnormal rate. The bearish attitude on the part of market observ-

(Continued on page 790).

Farm Boys' and Girls' Club Work

The Broad Aim and Value of this Splendid Movement is here given by Hon. E. T. Meredith, Secretary of Agriculture

B OYS' and Girls' Club Work is one of the important features of B the Agricultural Extension Work conducted by the States' Relations Service, United States Department of Agriculture, in cooperation with the State Agricultural Colleges and local agencies for the purpose of improving agricultural conditions and practices throughout the country. These clubs are organized to improve farm and home practices by instructing the boys in correct agricultural methods and the girls in home-making; to assist them in demonstrating these methods for the improvement of the farm and home; to aid in the development of cooperation in the family and in the community; to create a more favorable attitude toward the business of farming and home-making by encouraging property ownership and the feeling of partnership; and to make rural life more attractive by providing organization which tends to diminish isolation and develop leadership.

These objects are in process of attainment. Wherever club work has been pushed by our agents, larger yields have been obtained, better pigs have been raised and finer cattle, both dairy and beef, have been grown. The motto of the clubs is "To Make the Best Better." Registered animals are now common where only a few years ago they were unknown, and there is a systematic effort to cull out scrub live stock and poultry. Large yields of crops have been made by club members on lands which were considered as worthless, and little girls are vying with the best packers in canning and preserving fruits and vegetables, and are becoming a potent factor in helping to make the farm home more attractive

The average yield per acre made by club members in the growing of field crops is two to three times as large as the average yields made in the states in which the members are located. Many people, seeing a boy or girl here and there engaged in club work, do not realize the value of the products produced by these young folks in the aggregate. In 1918, while under the stress of war and responding to an appeal made to club members in the furrows "over here" to help feed the boys in the trenches "over there," the records in the office show that these young people produced food and feed to the value of more than \$20,000,000.

The money value of the products of club members is only a small part of the value of club work. Many boys and girls have had their vision of life enlarged by club membership. Many have taken and are taking college training. The agricultural colleges of the country especially have profited in enrollment from the clubs. iny boys and girls have made their own money to defray their college expenses in club activities. Many after graduation have returned to the farms or have engaged in extension work as county agents. Rural life has been greatly enriched in recent years by the trained leadership obtained from agricultural clubs. The results obtained in this work justify many times the expenditures made in securing them and appeal strongly for a large development of this very useful work

Can You Think of a Better Companion for a Young American?

Congress and Food Production

DRESIDENT J. R. Howard, of the American Farm Bureau Federation, has returned to Washington, after having made an extended trip throughout the farming sections of the country, where he has investigated the food production situation.

Conditions Affecting Farm Production.

Mr. Howard presents a rather gloomy prospect for the consumers in the large cities. Every immediate condition indicates lower production. The labor shortage is practically identical everywhere. Easy hours and high wages in the city have drained the farm of its labor supply. Iowa is 150,-000 farm workers short of her needs. Alabama farmers are leaving untilled one million acres of cultivated land formerly devoted to the production of food crops. Thousands of farms in New York state will lie idle this year for lack of labor. Throughout the entire country farmers are letting their fields stand in hay or pasture because they either cannot get, or cannot afford, to pay the prices demanded by farm labor.

The southern farms are being deserted by colored laborers in about the same proportion as the northern farms are being depleted of their white labor. An attempt will be made to maintain the cotton acreage, owing to the high prices for the staple, but there will be a heavy reduction in food crops. The seasonal conditions are worse in the south than in the north. Planting is late and the weather has been unfavorable for growing crops. The Farm Bureau membership is increasing in the south as in all other sections. It is especially strong in Tennessee and Arkansas.

In New England Mr. Howard found a spirit of progressiveness among the farmers, who have the advantage of good markets, but many are flocking to the manufacturing cities. The Farm Bureaus all through the New England states have voted for a membership fee of five dollars, which will enable them to build up strongly efficient county organizations as a permanent foundation for the national federation.

Live Stock Produced at Loss to

The meat situation is especially bad, according to Mr. Howard. Farmers have been producing hogs at a tremendous loss. The market for beef cattle is unsatisfactory. Farmers are producing more beef animals than ever show an average for ten years of 65,-477,000 head, while in 1919 there was 74,584,000 head, an increase of 10,000,-000 head of cattle over the ten-year period. But owing to the larger demands for some cuts of beef over others this increase in cattle numbers is not helping the situation or benefiting the farmers.

The people have got money to buy the best cuts and they demand only the best. This has developed a situation where there is a difference of beforequarters and hindquarters, and a government investigation shows that a very large proportion of the butchers are not buying the-foreguarters. There are about four hindquarters to one forequarters sold to the retail trade, which indicates that the cattle producers will have to

profiteering have a champion in Con- which the folks on the farms are deep- I find by examining this bill that

Measures Bearing Upon the Necessities Are Having a Hard Berth in Our National Legislative Chamber

another. It has been found that there ed to pay the bonus. are from two to seven non-essential wholesaler and retailer.

Sugar Speculation Under Cloud.

dealers between the refiners and the the ways and means committee in is further provided that at the earliest retailer. Representative Howard's bill cludes five optional plans for reward- practicable date each soldier so emwould limit the number of sugar hand-ing the soldiers and for raising the ployed upon a project shall be allowed lers from the refiner to the broker, money, as follows: (1) a cash pay- to select and shall be allotted a farm ment to all service men at the rate of unit upon which he may construct a \$1.25 per day in excess of sixty days dwelling and make other improve-While Congressman Howard be of active service; (2) payment at the ments.' lieves his bill would curb speculation rate of \$1.75 per day if service men in sugar, he does not regard it as wish to take vocational training; (3) bonus bill land proposition, one worthy meeting the present emergency, know- advance payment to apply on home of considerable study, says that "any ing well that if it should ever get purchase, either city or country, at unit not allotted to a veteran or rethrough congress it would be only af- the rate of \$1.75 per day for time ac- partriate within one year after public ter having passed through a long and tually spent in service; (4) paid-up notice in respect thereto, as provided tortuous course. As a remedy for im- war risk insurance policy maturing in by this section, may be disposed of to mediate application he suggests a great twenty years on basis of \$1.75 per day qualified citizens under the provisions national boycott of sugar, candies and for time spent in service; (5) loans of the reclamation laws." other delicacies made from sugar for to service men not exceeding \$1,000 for three days each week until prices are reclamation and development of farm

"National Veterans' Settlement Board," authorized to establish "veteran settlement projects for the reclamation and settlement of lands by means of irrigation, drainage, or other method of development;" that this board will gressman E. B. Howard, of Oklahoma, ly interested because so many farmer be empowered to purchase lands, dewho has introduced a bill in the house boys joined the colors in the great velop farm units, contract with irrigadesigned to curb sugar speculation, by war, and it is of equal interest to all tion corporations, build roads, estabforbidding resales from one dealer to because of the taxes that must be rais- lish townsites, and "as far as practicable" employ veterans in the develop-The bonus proposition agreed to by ment of these reclamation projects. It

A significant clause in this soldier

It is possible that this resurrected land reclamation scheme will be allowed to slip through under cover of bonus legislation, while the friends of helpful soldier legislation are quarreling over the methods of raising the taxes.

Will Congress Give Farmers Cheaper Nitrate?

Senate hearings on the Wadsworth-Kahn bill for the government operation of the Muscle Shoals air nitrate plant are completed. In summing up the arguments for the bill before the committee, R. F. Bower, legislative agent of the Farmers' Union, made a convincing argument in favor of the measure. In the testimony given during the hearings little was produced in oposition to the bill, and much in its favor, not only as a military preparedness proposition, but as a means of supplying the farmers with an abundance of nitrogenous fertilizers and freeing them from the Chilean nitrate monopoly. The senate committee on agriculture is expected to make a favorable report, and it is reasonable to expect that favorable action will be taken on this measure. Representatives of all the farm organizations have appeared for the nitrate bill.

Since We've Signed Up

By Mrs. L. A. Seamans

We've done a lot of diggin', a workin' mighty hard, We've done a lot of figurin', an' a hustlin' on the farm, We've done a lot of savin', an' there ain't a bit of doubt, But that things we've really wanted, lot's of times we we've gone

without.

Its mattered very little, if crops were good or bad,
For raisin' much or little, the farm took all we had.

So we're breathing somewhat easy, for we'll sure get out the rut,
Since we've joined the State Farm Bureau an' all-signed-up.

Its cost a heap of money, to buy things for the farm, To cheat the workin' farmer, "profiteers" think good form. We've paid out lots of money to get our crops to grow And when we went to sell them the prices were so low. We couldn't pay expenses, an', too, the hired man, With all the crops we've harvested to save our countrymen. So we're feeling more contented, an' happier with our lot Since we joined the State Farm Bureau an' all-signed-up.

We've reached the time, I reckon, when farmers sure must fight, An' we must fight together, if we would do it right, So give us time to figur', the the things for us to do Then get behind together, an' let us put 'em thru. For with our heads together, an' our pocketbooks as well, There'll be no "man between" then, when we go up to sell, So we're not a worryin' any, an' with frettin' we have stopped Since we've joined the State Farm Bureau, an' all-signed-up.

sugar this abstaining from its use will ficiaries of one plan, if in service more allow the supply to catch up with the than ten days, except those above the demand. If the present shortage is rank of captain.

The millions of victims of sugar men. It is a problem, however, in izations and the farm press.

The government statistics reduced. If there is a shortage of lands. All service men may be bene-

Howard tells me that he is sure a retail sales, contracts and leases; (2) erywhere in this movement to abstain and bond transfers; (5) a one-half per and demanding and getting high wag

quarters or the people will have to sleepless nights and worry than any tention that it has apparently over ing with the problem of farm prochange their methods of buying meat, other proposition that has come before shadowed the fact that the Fordney bill duction. This discrimination between the hind- them for many years. And they are includes the obnoxious features that As the railroads are permitted unquarters and the forequarters of beef largely to blame for the present situa- were in the old Mondell Land Settle- der the Esch-Cummins transportation is causing serious losses to the pro- tion, having been foremost in advocat- ment bill which was so strongly op- act to bring their income to a six per ing a bonus for the returned service posed last summer by the farm organ-cent dividend basis, an additional

Improving Parcels Post.

Reporting to the senate in reply to inquiries regarding the parcels post as a means of food transportation, Fourth Assistant Postmaster-General Blakslee said the farmers were threatening the work of speculators, the boycott The five parts of the tax scheme to reduce food acreage unless the cost would smoke them out. Congressman are: (1) a one per cent tax on all of living on the farms comes down. Every one of the seventy thousand rewidespread boycott along the plans he one per cent increase over present sur- plies to the post office questionnaires has proposed would remedy the situa- taxes on incomes between five and ten sent to farmers contained complaints tion in less than sixty days. He is thousand dollars a year, two per cent against the high cost of living and preparing for free distribution pledge increase on incomes between ten and farm operations. The farmers have blanks to be signed by the people of twenty-six thousand dollars per y ar; written the department that they will each community. He hopes to interest (3) graded increase in tobacco revenue not work fourteen or sixteen hours a the granges and other organizations of tax up to sixty-six per cent; (4) a one-day to raise food for city consumers tion where there is a difference of be-farm folks, and consumers' clubs ev-fifth of one per cent tax on all stock who are working seven or eight hours from the use of sugar three days each cent tax on all real estate transfers. es, while on the farms the returns are week until prices are lowered and. There is a bitter fight on over the not keeping pace with expenses. All there is sugar in the stores sufficient proposition to levy a tax on all retail these complaints and the warnings to supply the needs of their customers. sales, an element in congress demand- given the congressional committees Legislators Uneasy Over Soldiers' ing that the money for the bonus be during the hearings, by the farm orraised by levying a tax upon excess ganization representatives, however, Soldiers' bonus legislation is caus- war profits. This discussion over the are not sufficient to awaken congress develop a breed that produces all hind- ing congressmen and senators more tax feature has attracted so much at to the need of prompt action in deal-

\$1,017,000,000 will be required to in-(Continued on page 795).

at Larned, Kansas Painted 30 Years Ago at Larned, Kansas with Heath & Milligan Paint



Mr. Barber's Own Story

"Thirty (30) years ago, this rough board was lettered, "FLOUR AND FEED STORE," with Heath & Milligan Dependable Paint. The rest of the wood was left bare, never painted. The board was placed in front of the store, and left there for thirty (30) years. Recently it was taken down, and to my amazement, the let-

ters were raised one-eighth inch above the rest of the surface. Evidently the damaging elements, weather, rain, sun, heat and cold had worn away the bare wood. But they never affected the painted letters as far as I could see."

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Now that's exactly what happens to your house when you put off painting that's badly needed. If the surface is exposed, you are losing money, every month you delay, whether you know it or not. Good paint saves more than it costs. To use it, is the cheapest in the end, of all policies.

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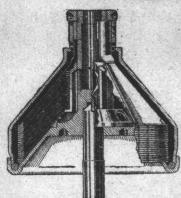
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LEARN AUCTIONEERING



Farmers' Automobile Trip

(Continued from page 768). ust 9, from various points in southern They will then drive on to Mackinaw Michigan. Those who live east of Lan- City and join the west pike tourists in sing, Jackson and Hillsdale will drive the fine tourists' camp in the State to Bay City for the first "night con- Park. A truck will accompany the trol," or camp. Those around Battle east pike tour with baggage, and in-Creek and southwestern Michigan will clude repair men in attendance on the drive to Grand Rapids and camp on trip. the shore of Reed's Lake the same East pike tourists will have four night, and those tourists who do not options. Board and lodging furnished; have camping equipment of their own board alone; lodging alone . And those ful, as explained further on.

fine fish dinner, etc.

From Mackinaw City some of the time they get back home. tourists may wish to start on the retime. These tourists can drive their cars back over a good road by way of Petoskey, Cadillac, Big Rapids, Mt. tion of tourists and cars from around Pleasant, St. Johns and Lansing, as they may desire,

then return to Mackinaw City and on home by way of Cadillac, Big Rapids and Lansing. It will take about ten in a leisurely fashion. Tourists can join us along the way and return home whenever they wish.

We have made full arrangements with T. F. Marston, secretary of the Northeastern Michigan Development Bureau, to take personal charge of the eastern pike tour from Bay City. This is the east division of the Dixie Highway, and Frank F. Rodgers, the State Highway Commisioner, has just written us that the road will be in good condition nearly all the way during August. He will make a map of the route, with all detours marked showing new road construction, etc., and

er some time in July.

Mr. Marston will meet the tourists in Bay City late in the afternoon of Monday, August 9. Both a camp and hotel accommodations will be provided, as desired by each individual tourist. Tuesday, breakfast at Bay City. Stop for dinner at Standish. Stop for buttermilk at Whittemore (my! that meetings along the way. sounds good). Stop for inspection of Prescott Farm Shorthorns. Tawas-Supper at camp. Dance at pavilion at Tawas Beach.

breakfast.

way, where they will have lunch. That signals. day they will see some of the fine ap- Those who wish to take this trip ple orchards of Cheboygan county, should write me at Battle Creek, Mich.

and stop at Cheboygan for supper.

will be provided with everything need- who have their own equipment for cooking and sleeping in and around The plan is to run two tours, one the car will be independent. The price up the east Michigan pike, the other of meals and lodging will be announcup west Michigan pike, both tours to ed later on. Meals will be served meet at Mackinaw City the late after camp style, and a lodging tent providnoon of Friday, August 13. A big tour- ed for each family. This plan has ist camp will be set up for our accom- just been submitted to us by Mr. Marsmodation and pleasure in the park and ton. It is a fine one and Mr. Marston we will all spend Saturday there in a is delighted to take charge of such a big meeting and celebration that will tour. Those who take that trip will include music, speaking by some of surely have one of the times of their the noted agriculturists of Michigan, a lives and know far more about that wonderful northern country by the

Those who go up the west pike will turn trip for home because of limited assemble at Reed's Lake late in the afternoon of Monday, August 9. The writer will head a good-sized delega-Battle Creek and that section. Both H. J. Gray, secretary-treasurer of the Some of us expect to cross over Michigan Tourist and Resort Associathe Straits of Mackinac on the big car tion, and John I. Gibson, secretary of ferry and drive on to Sault Ste. Marie, the Western Michigan Development commonly called "The Soo." We may Bureau, will look after the comfort camp out there for two or three days, and entertainment of the west pike tourists as soon as they reach Grand Rapids. Tourists' camps will be set up at each night control or camping days to two weeks to complete the en- site, and some will be ideal permanent tire trip to the Soo and return home camps built especially for motor car tourists.

Our first night will be at Reed's Lake, Tuesday night at Manistee, and Wednesday we expect to reach Traverse City in the early afternoon. Here we will camp two nights and thus spend a whole day (Thursday) at Traverse City. Our fine tourist camp will be located beside the delightful bay, and Mr. Gibson has promised us some enjoyable stunts that we will call attention to in these columns later on. However, a fine fish dinner and one or more side trips on and around the bay, up to Old Mission, etc., are in the list of treats that every tourist we will print it in the Michigan Farmwill enjoy. Traverse City folks are going to give us the glad hand, and that's enough mention for a starter.

Music and speaking will be on the camp program at nearly every night's camp on both pike tours. Farmers in the sections we pass through are invited to join us and attend the camp

We would be pleased to have every farmer along both routes set out along swim at Tawas Beach or at State Park, the road in front of his home certain signals and a small American Flag. Later on we will arrange a plan where-Wednesdy, August 11.—Breakfast at by the signals in front of each home East Tawas. Visit AuSable River may indicate that the owner is a mem-Dam. Pass through Oscoda, AuSable, ber of the Farm Bureau, Grange, takes and stop for lunch and farmers' picnic the Michigan Farmer, etc. Certain inby the lake at Lincoln. Pass through dividuals in each pike tour will have to Alpena for supper, night camp and a handy record tablet and mark down the signal indications all along the Thursday forenoon tourists will be way. It will be interesting to report given a tour of Alpena, and will have in the Michigan Farmer later what dinner at Alpena State Park. Drive the records show. Each farmer, or his to Rodgers for supper, lodging and son or daughter, will know just when breakfast. Friday the tourists will these tourists will pass by their farm drive to and visit State Park at Ona. homes and when to set the flags and





The Real Meaning of "Best in the Long Run"

"BEST IN THE LONG RUN" is a slogan that is almost as old as the history of tires. It grew out of the performance of Goodrich Tires on bicycles, and it grew into the dependability of Goodrich rubber products of all kinds.

It is not just a catch phrase. It is a plain statement of fact. It is really a mirroring of the confidence placed in Goodrich products by their users.

In five words it crystallizes the

ideals, the policies, the principles of Goodrich.

It means "the long run" of good faith and good will—the steady building up of a confidence in the minds of the users, which is the greatest asset a manufacturer can have.

That is how Goodrich translates this slogan into terms of longest average wear, utmost dependability and known quality in all kinds of rubber products.

THE B. F. GOODRICH RUBBER COMPANY, AKRON, OHIO

Goodrich Tires

"Best in the Long Run"

POTASH PAYS

The Potash shortage of the last five years has been felt most severely by the farmer of

Swamp Land

Some Kainit, 20 per cent Potash Manure Salt, and Muriate of Potash have come forward from Germany, not so much as formerly, but enough to help those who insist on having it.

Urge your dealer to get it for you at the earliest possible moment.

Soil & Crop Service Potash Syndicate H. A. HUSTON, Mgr.

42 Broadway

New York

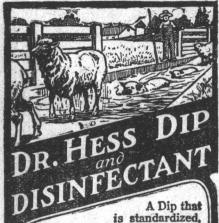
STANDARD GRADE 2-INCH TANK SUCTION HOSE



HOFFMAN COMPANY,

With good smooth bore to reduce friction. Good quality rubber and duck with inserted spring steel wire to prevent collapsing and enlarged ends to fit over nump connections. Sold in 25-foot pieces only. Price, in cluding two galvanized steel-clamps \$10- per section.

SANDUSKY, OHIO



is standardized, of uniform strength and GUARANTEED. One gallon makes 70 gallons of dipping solu-

For Scab, Ticks and Skin Troubles

cleans and makes the skin healthy. It is more than a Dip—it is also a Disinfectant. Use it freely about stables, hog pens and poultry houses to destroy disease germs and maintain good health conditions. Also for home use, in garbage cans, sinks, cesspools. Sold by 28,000 dealers on a money-back guarantee.

Dr. HESS & CLARK



Baltimore, Md.

Wheat

Rye

or Oats

Sinclair Scott Co.

HOOSIER SILO CO.

A Colony Hog House

By Harley M. Ward

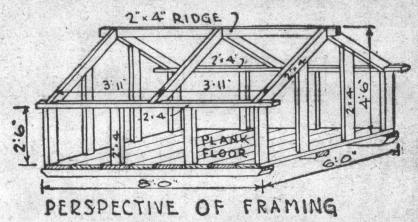
type of piggery has proved very suc- higher doorways than specified. cessful. Proper housing is essential In cold weather a piece of burlap or the pork producing business.

is made of two by four lumber. This are very small. is placed on top of the plank floor. The Pig fenders that protect the young

HIS six by eight-foot colony the middle of the gable end, or near house has proved its value one corner of the end or side. The where it has been used. It is a side or end is the best because the gable-roof house with the roof doors swine are better protected from drafts. on one side to be opened for sunlight. The size of doorway is twenty-four by The colony hog house has made it- thirty inches, but may be made larger, self almost indispensable through its and higher, especially by building the adaptability to varied conditions, sides higher, say six inches or so. When properly built and used, this Some of the large breeds demand

in live stock raising of any kind and ducking hung at the top of the door, more especially swine. Dry, sanitary, with a stick a little shorter than the comfortable conditions must be pro- width of the door nailed across the botvided if one wishes the best returns in tom to prevent the wind blowing it back, will help materially to keep the Build the plank floor first. Timbers pigs warm. The pigs will soon learn four inches square for the outside to lift the curtain when they want to make excellent runners and a two by go through. The board doors would four in the center stiffens the frame, not then need to be closed except in Next comes the framing work, which very bad weather, or while the pigs

outside studdings are two and a half pigs at farrowing time are easily built



feet high and are placed at equal dis- by fastening two by four pieces flatset shown with a center three feet removable. eleven inches apart. On the north A satisfactory scheme of ventilation keep the house rigid at all times.

inch dressed shiplap. This material sweeping through the house. will be free from drafts.

The entrance door may be placed in work.

tances, or about two feet eight inches wise to the sides and ends about six apart. The two by four rafters are inches from the floor. They are made

slope, or opposite the slope where the is provided by leaving an opening of doors or windows are to be placed, moderate size beneath the ridge pole, there should be some sort of a wind protected by nailing a wide triangular brace in between the rafters so as to board under and flush with the edge of the extending roof boards. The wind The siding material used is a ten- is prevented by this arrangement from

can be used all over the house for the This kind of a house needs two coats doors, roof and siding and will result of paint. It will thus last longer and in a good tight and warm building that look better and will prove to be a good investment if cared for properly. The roof doors, which are on the An occasional spraying of the inside east or south slope of the house are walls acts as a preservative for the hinged at top or side and each door wood and as a disinfectant in the is two by four feet in size. Extra eradication of lice and mange. Creheavy eight-inch strap hinges are used. osote oils are commonly used for this

M. A. C. News Letter

Wolverine growers, look so far afield have stated that they have no scrap as Scandinavia for a needed variety. sugar at all to sell.

from north European countries in time times can be for this season's use.

pound.

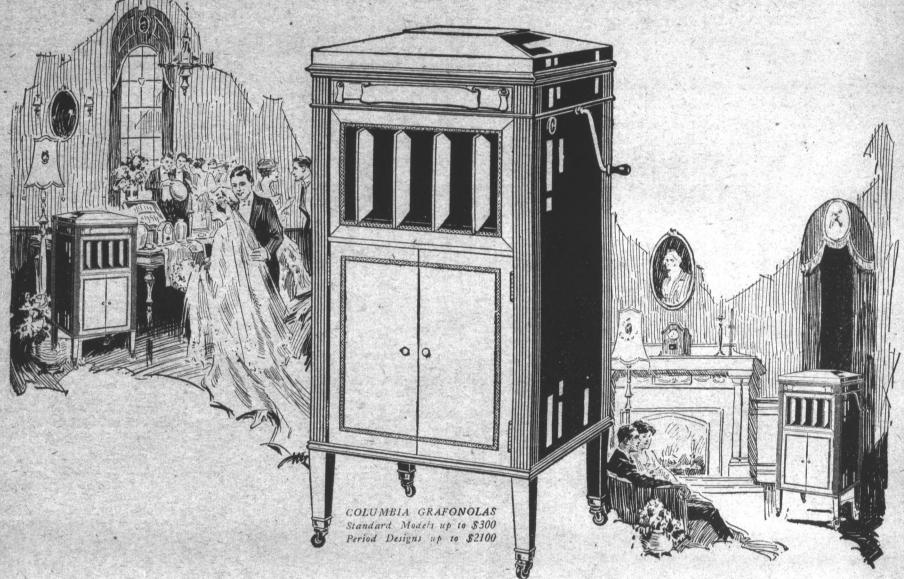
The seed is said to be of high quality. Persons interested should mail their orders to 221 North Cedar street, Lansing, Michigan.

C ELDOM do officers of the Michi- Scrap sugar, needed by bee-keepers, gan Crop Improvement Associa- is becoming exceedingly scarce, accordtion, though they frequently resort ing to B. F. Kindig, of the M. A. C. distant states to procure seed for entomology department. Several firms

A. L. Bibbins, of the M. A. C. farm "This resolves our problem," says crops department, secretary of the as- Mr. Kindig, "into two alternatives. sociation, has announced that it is pos- either we can go on the open market sible that hairy vetch seed, of which and purchase cane sugar at the prevailthere is a marked scarcity throughout ing prices or we must keep our eyes America this year, may be secured open for damaged sugar which somefound at or wholesale houses. Bee-keepers will A temporary option, subject to in- have to watch these places carefully spection, has been placed on this sup- in order to secure the scrap sugar that ply and arrangements have been made accumulates there, because I am inwith the seed department of the Mich- formed that candy manufacturers and igan Farm Bureau, headed by J. W. other interests are constantly on the Nicolson, for distribution to farmers lookout for this class of product. Many of the state. The price has not been of our losses this past winter are due definitely set, but it is expected to run to the bees not having sufficient stores. from twenty-eight to thirty cents per We must not let that occur again if we can help it."



Columbia Grafonola



For a Lifetime of Musical Happiness

What wedding gift could be more appropriate? With the many Columbia models it is so easy to find exactly the right instrument for the new home.

Cabinets of exquisite beauty. Pure, unmuffled richness of tone. And last, but by no means least, the new Grafonola models are equipped with the exclusive Columbia Non-Set Automatic Stop, the only automatic stop that requires absolutely no setting.

Invisible, built right into the motor, it operates on any record, long or short. There is nothing to move or set or measure. Just put on your record and listen to the music.

To make a good record great, play it on the Columbia Grafonola

COLUMBIA GRAPHOPHONE COMPANY, NEW YORK

Canadian Factory: Toronto



Get the new Columbia Novelty Record Booklet. Every Columbia dealer has it.



HE first impression you get when you see an EMPIRE-BALTIC is—simplicity. Almost automatically the design which brought efficiency brought simplicity also. For efficiency demanded compactness and freedom from "ginger-bread work"—a machine that could be used and misused without affecting its efficiency in skimming. The EMPIRE-BALTIC, the Separator with the Million Dollar Bowl, is the product of years of study and experiment by a score of the oremost separator engineers. It sets a new standard

The Million Dollar Bowl is self-centering and self-balancing; practically no vibration; and so does not agitate the milk; it skims clean all the time; it is easy to turn, frictionless; once adjusted it is adjusted for life; its discs are interchangeable - a great convenience

You'll find other sep-arators as good looking as the EMPIRE-BALTIC no manufacturer has a corner on

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EMPIRE CREAM SEPARATOR COMPANY Box 105-S Bloomfield, N. J.

Gentlemen:
Kindly send me literature regarding the Separator with the Million Dollar Bowl.

Name

Street or R. F. D. No .-

Town

Your Dealer's Name.

The "Family Coat of Arms" of the leading line of Dairy Machinery-EMPIRE





The Ottawa Log Saw falls trees or cuts off stumps level with ground. Saws up logs, cuts up branches, lee cutter, runs pump jack and other-best machinery. Mounted on wheels. Easy to move anywhere. 10 Year Guarantee. 30 Days Trial. Write for Free Book and Cash or Easy Terms. OTTAWA MFG. CO., 1501 Wood St., Ottawa, Kans.

BARN PAINT \$1.32 PER GALLON Get factory priceson all paints. We guarantee quality. We pay the freight. Penklin Color Works, Dept. 14, Franklin, Ind.

BUY FENCE POSTS direct from for-est. Prices deliv-ered your station. M. M. care of Michigan Farmer



Will Soon Earn Its Cost

With a NEW RACINE Individual Thresher you can pocket the thresh-ing profits yourself and prevent the usual losses. Besides, you can soon get back its cost by threshing for your neighbors. Your farm tractor will supply the power.

Made in two sizes—20x32 and 24x40. Will thresh any kind of grain or seed, peas or beans.

Twenty-five years of success in building individual and neighbor-

More than Ten Thousand in use.

BELLE CITY MFG. CO.

RACINE, WISCONSIN, U.S.A.
Distributed in the U.S. since 1906 by
The International Harvester Co. of America



Our Service Department

GROWING WHITE BLOSSOM SWEET CLOVER.

At what time should the white blossom sweet clover be sown, and how does one tell when the hay is ready to cut, how many crops a year, etc. Please give full particulars.

Subscriber.

clover may be seeded successfully at have been held liable for injuries to any time from early spring until the trees along the road in putting up and middle of the summer, provided condi- maintaining their lines. tions are right and thorough preparations have been made. Three things are necessary: lime, inoculation and scarified seed. The same soil conditions must prevail as would be necessary for the successful seeding of alfalfa; except that sweet clover seems to thrive better in a soil low in organic matter than alfalfa. Plenty of lime must be used. Probably two tons per acre would be the minimum application. Seed may be sown alone or with are necessary: lime, inoculation and scarified seed. The same soil condition. Seed may be sown alone or with after the latter part of April, it would built by him, he can have an order by

ting is made early enough and care is added to the other's taxes, or he may taken to cut the stubble about six inch- let his cattle run as in this case. es high. This is necessary because of the fact that your second growth comes from the buds on the stubble left and not from the crown of the plant. The usual way is to make hay I own property that fronts on lake, out of the first growth and cut the and also runs into the lake. Last

my whees parents died a short time ago, leaving a little real estate. She being the only child and heir what would be the least expensive and yet legal way to have her name appear on the abstract of title, or is there no other way than through the probate court?—B. D.

record. Inheritance is one, marriage note collect interest annually, and if is another, homestead is another, adso can he collect interest on unpaid inverse possession is another. The proterest, or is the giver of the note within his legal rights when he pays the total amount of interest at the time debts of the deceased, and the protein and the pr bate proceedings may be included in would pass whatever title they had; interest on the interest. which would be the whole title subject J .R. R. to possible debts.

STOCK ON HIGHWAYS.

There have been several cases here There have been several cases here of cattle and horses killed and injured by autos. Kindly give the laws relating to live stock running on the highways. Can a man take cattle off the highway, or does he have to wait until they get in his crop? There seems to be many who make a practice of allowing their stock to run on the road. ing their stock to run on the road where some have no road fences. How plant trees in order to not have them get an order that it be paid by the adcut down by the telephone company? They cut them down here for about five miles and dropped them right in the ditches or anywhere. Some nice maples of ten to fifteen years' growth maples of ten to fifteen years' growth have been trimmed up by the county. I have a nice growth along part of the front of my farm, and put up a notice to not cut anything out, but the notice has been torn down.—H. W. S.

By Comp. Laws (1915). Sec. 7447.

We have bought a farm on contract intending to have a joint deed. When my husband made contract it was between the former owner and himself. In case of my husband's death would it be a property?

By Comp. Laws, (1915), Sec. 7447, any resident freeholder of the town Could contract be made a joint commay take up stay horses, mules, and tract?—Mrs. P. L. and hogs from December 1 to March in his own name.

1. Otherwise, private citizens have no right to take the animals of others not found on their own premises. A person negligently killing stock of another in the road is liable in damages.

The statute provides that shade trees shall be planted from twentythree to twenty-five feet from the cen-The white blossom biennial sweet ter of the road. Telephone companies

LINE FENCE.

If the line has been duly divided, a light grain crop. If seeding is made and the part assigned to one has been the fence viewers that the other build be best to seed alone. the fence viewers that the other build

If the crop is cut for hay, two cut- his half, and if it is not done he may tings may be obtained if the first cut- himself build it, and have the cost

J. R R.

LOGS WASHED ASHORE.

out of the first growth and cut the second crop for seed or pasture it. The first cutting should be made usually between June 1 and June 15. From lost, Now some of these logs washed one to two tons of hay per acre will be harvested.

TITLE ABSTRACTS.

My wife's parents died a short time and lost of the logs in the raft were lost. Now some of these logs washed up on my property, and after leaving them there till this winter I hauled them to the saw mill. A man in this place bought these logs from the lumber company and now he claims them at the mill. What rights have I in regard to these logs?—E. M.

The logs belong to the nurchasen

The logs belong to the purchaser from the lumber company. The in-J. R. R. quirer has no rights.

WHEN INTEREST IS DUE.

Abstracts are only abridgements of A note running four or five years what appears on the records. There bears interest at six per cent, with no mention made as to when this interest should be paid. Can the holder of this

In the absence of agreement to the the abstract; but conveyance by the contrary, the interest is all due when heirs without any probate proceedings the principal is due; and there is no J. R. R.

CLAIMS AGAINST ESTATE.

Can a wife collect a note from her husband's estate, the money being loaned to him before their marriage? Also, what part of real and personal property does a widow hold in Michigan, if there are no children and no nearer kin than cousins?—A. B.

by the marriage. She should prove her claim to the probate court, and ministrator.

DESCENT-LAND CONTRACT.

asses, going at large any time of year, The land would be disposed of as if and may take up stray cattle, sheep the husband had a deed to the land

DELCO-LIGIEN



"DELCO-LIGHT Makes Chore Work Easier"

Letters we receive from thousands of our 100,000 satisfied users tell us that "Delco-Light makes chore work easier."

When so many users say that Delco-Light is a good investment, that it saves time and labor and that it increases the joys of life, you have assurance it will do as much for you.

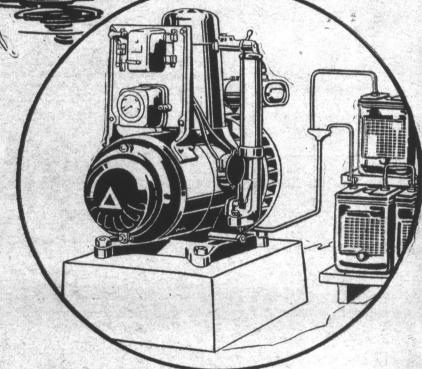
Delco-Light does away with all dangerous open-flame lamps and lanterns.

At the push of a button, clean, safe electric light floods the house and all farm buildings, speeding up the work and making everyone just a little bit happier.

Electric power pumps water quickly to the kitchen, bathroom and watering troughs, turns the cream separator, churn or grindstone or operates an electric iron, fan or vacuum cleaner.

Delco-Light helps answer the labor shortage problem and in addition makes the farm home more attractive and comfortable.

DELCO-LIGHT COMPANY DAYTON, OHIO



A complete electric light and power plant for farms and country homes, self-cranking—air cooled—ball bearings—no belts—only one place to oil—thick plates—long-lived battery.

Valve-in-Head Motor Runs on Kerosene

M. L. Lasley, 23 Elizabeth St., East, Detroit, Michigan

Pringle-Matthews Co., 18 Fulton St., W. Grand Rapids, Michigan



A Western Farm Paper Says-

"Sightly farm buildings create home pride in the owner and his family; keep him up-to-date, and strengthen his credit'

Barrett Everlastic Roofings fully meet the requirments of the farmer who realizes that the appearance of his place goes a long way towards fixing his standing in the community.

Barrett Everlastic Roofings are low in cost, easy to lay, weather-proof, fire-resistant and extremely serviceable.

Both forms of Everlastic Shingles and one of the Roll Roofings have a real crushed-slate surface in a natural artshade of red or green which gives them rich and lasting

They will improve the appearance of the finest residence, yet are economical enough for steep-roofed farm buildings, of every type, that require an attractive roof.

And where a plain-surface roll roofing will do, Everlastic "Rubber" Roofing provides the utmost in economy and durability.

> Illustrated booklet describing any one of the four styles of Everlastic Roofings will be sent free on request.



Philadelphia New Orleans Nashville Duluth Lebanon Richmond

St. Louis Kansas City Seattle Bangor Milwaukee Bethlehem Boston Birmingham Syracuse Salt Lake City Youngstown Latrobe

Cleveland Cincinnati Minneapolis Dallas Peoria Atlanta Washington Johnstown Toledo Columbus Elizabeth Buffalo Baltimore

THE BARRETT COMPANY Limited: Montreal Toronto Winnipeg Vancouver St. John, N. B. Halifax, N. S. Sydney, N. S.

Everlastic "Rubber" Roofing

A recognized standard among "rubber" roofings. Famous for its durability. Made of high-grade waterproofing materials, it defies wind and weather and insures dry, comfortable buildings under all weather conditions. Nails and cement with each roll.

Everlastic Slate-Surfaced Roofing

A high-grade roll roofing, surfaced with genuine crushed slate, in two natural shades, red or green. Needs no painting. Handsome enough for a home, economical enough for a barn or garage. Combines real protection against fire with beauty. Nails and cement with each roll.

Everlastic Multi-Shingles (4 Shingles in One)



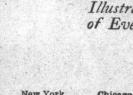
Made of high-grade thoroughly waterproofed felt and surfaced with crushed slate in beautiful natural slate colors, either red or green. Laid in strips of four shingles in one at far less cost in labor and time than for wooden shingles. Give you a roof of artistic beauty worthy of the finest buildings, and one that resists fire and weather. Need no painting.

Everlastic Tylike Shingles

Made of the same durable slate-surfaced (red or green) material as the Multi-Shingles, but cut into



individual shingles, 123/4 inches. Laid like wooden shingles but cost less per year of service. Need no painting.





WORLD EVENTS IN PICTURES



Frank Bacon, famous American actor, finds relaxation with his carpenter's tools.

Signor and Lady Marconi are out to discover if possible, the cause of mysterious sounds which interfere with wireless messages.





This sixteen-cylinder racing car established six new world records at recent meet at Daytona, Fla.

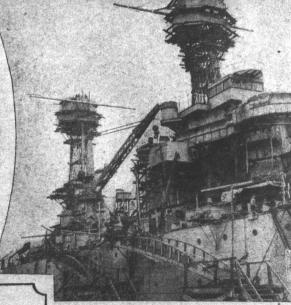
These men are anxiously waiting for some indication that their ambitious attempt to send a wireless message to Mars has been successful.



"Pussyfoot" Johnson, who returns to the United States after varied experiences in his campaign in England against John Barleycorn, is received by a big delegation.



The tendency to give the little folks greater attention in the way of fashions and styles is becoming more and more pronounced.



Here is Uncle Sam's greatest dreadnaught equipped with many new appliances developed during the world war; she will sail for the western coast in August.

Make More Money From Your Herd

If you milk six or more cows, you can cut your production costs down to rock-bottom with a mechanical milker. It is the biggest profit-builder you can put on your farm. You can cut your labor cost two-thirds—a boy or girl can do the milking of three hired men—or with the same labor you can increase your herd and multiply your gain. You can save one to five hours a day in time—time you could profitably use at other jobs. In a word, it puts the milking job on the most efficient, practical, money-saving, money-making basis.



Is proving amazingly profitable on thousands of



Dept. M14 OTHER UNITED PRODUCTS
Gawlene Engines, Kerosene Engines, Feed Mills, Light Plants, Cream Sepan tors. Saw Frames, Washing Machines



Coffee Often Disturbs Digestion

and frequently causes nervousness and sleeplessness.

If coffee annoys you in any way, try

Postum Cereal

This favorite drink enjoys growing popularity because of its pleasing flavor and its superiority to coffee in healthfulness.

Sold by Grocers in two sizes-25c-15c

No raise in price

Made by POSTUM CEREAL CO., Inc.

Battle Creek, Michigan

When You Write to Advertisers Please Say "I Saw Your Ad. in The Michigan Farmer."

THE VALLEY OF THE GIANTS

A ROMANCE OF THE REDWOODS

By Peter B. Kyne

CHAPTER X.

set to United States observatory o' yourn." time and corrected hourly by the tele- "I was struck dumb," Dan Kenyon graph company. It was the only clock replied. "I just stood there like one ing the whistle-cord, Zeb would wait in at seven." until the clock registered exactly sixfifty-nine and a half-whereupon the Zeb queried incredulously. seven-o'clock whistle would commence blowing, to cease instantly upon the stroke of the hour.

It was old Zeb's pride and boast that with a single exception, during the sixteen years the clock had been in serbeen more than a second late or early with his whistle-blowing. That excepvading the engine-room while Zeb was at luncheon, looped the whistle-cord rup." until the end dangled seven feet above ground. As a consequence Zeb, who to leap at it several times before success crowned his efforts and the whiser of the day his reason tottered on gineer. "Them's lumberjack hours, tle blew. Thereafter for the remaindits throne, due to the fact that Bryce man. From seven till six means work induced every mill employe to call upon the engineer and remind him that he must be growing old, since he was no longer dependable!

Cardigan's return to Sequoia, Zeb Cur And taking orders under me. ry, as per custom, started his engine at six-fifty-eight. That gave the huge A simple cuss he seemed to me; I never thought that he could be a teacher of philosophy, tain their proper speed and afforded Dan Kenyon, the head sawyer, ample Till suddenly one awful night, time to run his steam log-carriage out In rain and cold and sorry plight,
The Boche attacked upon our right. to the end of the track; for Daniel, too, was a reliable man in the matter of starting his daily uproar on time.

At precisely six fifty-nine and a half, (I censored it with blurring sight). therefore, the engineer's hand closed "Dear Ma," he wrote, "here's just a over the handle of the whistle-cord, and Dan Kenyon, standing on the To let you know I'm feeling fine. steam-carriage with his sand on the This kind of life is hard to beat. lever, took a thirty-second squint You ought to see the way I eat; lever, took a thirty-second squint through a rather grimy window that In all the army anyhow.

had no opportunity to discuss the mathad no opportunity to discuss the mat-ter with the head sawyer. After blow- I guess I've had my full share, too, ing the twelve o'clock whistle, however, he hurried over to the dining-hall, where the mill hands already lin-For we are miles in the rear ed the benches, shoveling food into And far from any danger here. their mouths as only a lumberman I guess the bloomin' war'll stop or a miner can. Dan Kenyon sat at the head of the table in the place of honor sacred to the head sawyer, and when his mouth would permit of some until we sing the victor's song, activity other than mastication, Zeb Curry caught his eye. Curry caught his eye.

"Hey, you, Dan Kenyon," he shout I've marked his grave beyond the hill, ed across the table, "what happened And though I wear a Sam Browne, to you this mornin'? It was sixteen seconds between the tail end o' my whistle an' the front end o' your whin
"Hey, you, Dan Kenyon," he shout I've marked his grave beyond the hill, and though I wear a Sam Browne, still

I learned a heap from Private Bill.

John M. Martin in American Legion Weekly.

in'. First thing you know, you'll be OR many years there had been in gettin' so slack an' careless-like some stalled in Cardigan's mill a clock other man'll be ridin' that log-carriage

of its kind in Sequoia; hence folks set o' these here graven images. Last their watches by it, or rather by the night on my way home from work I whistle on Cardigan's mill. With a heerd the young feller was back—he due appreciation of the important func- got in just as we was knocking off for tion of this clock toward his fellow-cit- the day; an' this mornin' just as you izens, old Zeb Curry, the chief engi- cut loose, Zeb, Pli be danged if he neer and a stickler for being on time, didn't show up in front o' the office was most meticulous in his whistle-door, fumblin' for the keyhole. Yes, blowing. With a sage and prohpetic siree: That boy gets in at six o'clock eye fixed upon the face of the clock, last night an' turns to on his paw's and a particularly greasy hand grasp. job when the whistle blows this morn-

"You mean young Bryce Cardigan?"

"I shore do."

"'Tain't possible," Zeb declared. "You seen a new bookkeeper, mebbe, but you didn't see Bryce. He ain't no such hog for labor as his daddy before him, I'm tellin' you. Not that vice, no man could say that Zeb had there's a lazy bone in his body, for there ain't, but because that there boy's got too much sense to come boltion occurred when Bryce Cardigan, invery first mornin' he's back from Yur-

"I'm layin' you ten to one I seen him," Dan replied defiantly, "an' what's was a short, fat little man, was forced more, I'll bet a good cigar—a ten-center straight—the boy don't leave till

"You're on," answered the chief en-

WHITE LIES.

on the morning following Bryce A-serving in the Infantry

Then just before that bloody fight Bill scrawled this note by candlelight:

line gave upon the drying-yard and the They feed us meat and eggs and cakes
Until we all have tummyaches. mill-office at the head of it.

The whistle ceased blowing, but Dan Kenyon stood at his post, oblivious of the hungry saws. Ten seconds passed; then Zeb Curry, immeasurably scandalized at Daniel's tardiness, tooted the whistle sharply twice; whereupon Dan woke up, threw over the lever, There's shower baths and everything. Dan woke up, threw over the lever, There's shower baths and everything and walked his log up to the saw. That I could wish, if I were king. For the next five hours Zeb Curry. It sure is great to see the way
The mail from home comes in each

-an' only fools an' hosses keeps them hours."

The head sawyer leaned across the table and pounded with the handle of his knife until he had the attention of all present. "I'm a-goin' to tell you young fellers somethin'," he announc-ed. "Ever since the old boss got so he couldn't look after his business with his own eyes, things has been goin' to blazes round this sawmill, but they ain't a-goin' no more. How do I know? Well, I'll tell you. All this forenoon I kept my eye on the office door-I can see it through a mill winder; an' I'm tellin' you the old boss didn't show up till ten o'clock, which the old man ain't never been a ten o'clock business man at no time. Don't that prove the boy's took his place?"

Confused murmurs of affirmation and negation ran up and down the long table. Dan tapped with his knife again. "You hear me," he warned. "Thirty year I've been ridin' John Cardigan's log-carriages; thirty year I've been gettin' everythin' out of a log it's possible to git out, which is more'n you fellers at the trimmers can git out of a board after I've sawed it off the cant. There's a lot o' you young fellers that've been takin' John Cardigan's money under false pretenses, so if I was you I'd keep both eyes on my job hereafter. For a year I've been claimin' that good No. 2 stock has



"All about Bryce were scenes of activity, of human endeavor; and to him in that moment came the thought: 'My father brought all this to pass—and now the task of continuing it is mine!'"

been chucked into the slab-fire as refuge lumber." (Dan meant refuse lumber), "But it won't be done no more. The raftsman tell me he seen Bryce down at the end o' the conveyin' belt givin' that refuge the once-over—so step easy."

"What does young Cardigan know about runnin' a sawmill?" a planerman demanded bluntly. "They tell me he's been away to college an' travelin' the past six years."

"Wa-II," drawled the head sawyer, "you git to talkin' with him some day an' see how much he knows about runnin' a sawmill. What he knows will surprise you. Yes, indeed, you'll find he knows considerable. He's picked up loose shingles around the yard an' bundled 'em in vacation times, an' I want to see the shingle-weaver that can teach him some tricks. Also, I've had him come up on the steam carriage more'n once an' saw up logs, while at times I've seen him put in a week or two on the sortin' table. In a pinch, with a lot o' vessels loadin' here at the dock an 'the skippers raisin' Cain because they wasn't gettin' their cargo fast enough, I've seen him work nights an' Sundays tallyin' with the best o' them. Believe me, that boy can grade lumber."

"An' I'll tell you somethin' else," Zeb Curry cut in. "If the new boss ever tell you to do a thing his way,



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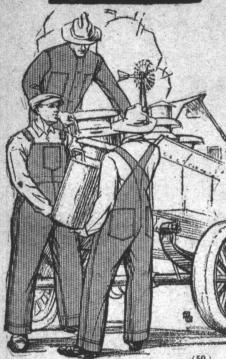
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you do or not."

open," Dan Kenyon warned sagely, bimeby they got used to it." you ought to be, an' things have been tion?" Bryce demanded quickly. son. He'll do things."

ded, an' you fellers all know how much time o' life. So he got out o' the assotail a bear has."

"Every mornin' 'for 'thirty years, He's there when the whistle blows, corps of salesmen." clear up to the time his eyes go back "From what I hear tell o' the Colcareful. This mornin', for the first per cent the best of it." time in fifty year, he stays in bed; "Yes," old Zeb observed gravely,

seat beside the head sawyer.

Hello, everybody. 'I'm the new boss, the kitchen. so I suppose I'd better introduce my-I'm Bryce Cardigan."

he's like his daddy. He ain't ashamed market. to work with his men, an' he ain't Glad you're back with us again, boy— pigs from our mill cook?" mighty glad. Dan, here, he's gittin' "Not any more," the bu while the rest o' these here-"

interrupted craftily. "He's slowing up, swill-fed hogs-swill and alfalfa." earlier than the clock."

have been at it a long time; so, with devil," he continued. the utmost good will in the world to- "No fault of mine," Sinclair protest-I always did dislike beating about the looked after everything else."

THIS \$12 OFFICER SHOE the job when I got down here this from Sinclair. morning. He's been letting too many "Yes," he replied, "my father looked the entire plant has gone to glory. Fire-hose old and rotten-couldn't straightened out and running smoothstand a hundred-pound pressure; fire- ly again," Sinclair declared quite conbuckets and water-barrels empty, axes fidently. not in their proper places, fire-extinouishers filled with stale chemicalwhy, the smallest kind of a fire here planned to do last night." would get beyond our control with that man on the job. Besides, he's changed ed out. At the mill-dock a big steam the grading rules. I found the men schooner and a wind-jammer lay; in putting clear boards with hard-grained the lee of the piles of lumber, sailors streaks in them in with the No. 1 and longshoremen, tallymen and timeclear. The customer may not kick at keeper lounged, enjoying the brief pea small percentage of No. 2 in his No. ried of the noon hour still theirs be-1 but it's only fair to give it to him at fore the driving mates of the lumbertwo dollars a thousand less."

> don't grade lumber as strict nowadays stretched the drying yard, gangway on as they used to before you went away, gangway formed by the serried rows Colonel Pennington says we're a lot o' of lumber-piles, the hoop-horses plac-

> you do it an' don't argue none as to back numbers out this way an' too whether he knows more about it than generous with our grades. First thing he did was to call a meetin' of all the "A whole lot o' dagos and bohunks Humboldt lumber manufacturers an' that's come into the woods since the organize em into an association. Then blue noses an' canucks an' wild Irish he had the gradin'-rules changed. The went out had better keep your eyes retailers hollered for a while, but

"There ain't none o' you any better'n "Did my father join that associa-

pretty durned slack around Cardigan's "Yes. He told Pennington he wasn't mill since the old man went blind, but goin' to be no obstructionist in the -you watch out. There's a change trade, but he did kick like a bay steer due. Bryce Cardigan is his father's on them new gradin-rules an' refused to conform to 'em. Said he was too "Which he's big enough to throw a old an' had been too long in business bear uphill by the tail," Zeb Curry ad- to start gougin' his customers at his ciation."

"Bully for John Cardigan!" Bryce 'ceptin' when we was shut down for declared. "I suppose we could make repairs," Dan continued, "I've looked a little more money by cheapening our through that winder, when John Car- grade, but the quality of our lumber is digan wasn't away from Sequoia, to so well known that it sells itself and watch him git to his office on time. saves us the expense of maintaining a

on him, an' then he arrives late once onel," Dan observed sagely, "the least or twice on account o' havin' to go he ever wants is a hundred and fifty

but-his son has the key in the office "an' so fur as I can see, he ain't none door when the whistle blows, an'-" too particular how he gets it." He Dan Kenyon paused abruptly; the helped himself to a toothpick, and folhum of conversation ceased, and si-lowed by the head sawyer, abruptly lence fell upon the room as Bryce Car- left the room-after the fashion of digan strolled in the door, nodded to sawmill men and woodsmen, who eat the men, and slid in on the bench to a as much as they can as quickly as they can and eventually die of old age rath-"Hello, Dan-hello, Zeb," he said er than indigestion. Bryce ate his and shook hands with each. "I'm noonday meal in more leisurely fashmighty glad to see you both again, ion and at its conclusion stepped into

"Where do you live, cook?" he deself, there are so many new faces here. manded of that functionary; and upon being informed, he retired to the of-"Yes," Zeb Curry volunteered, "an' fice and called up the Sequoia meat-

"Bryce Cardigan speaking," he inashamed to eat with his men, nuther, formed the butcher. "Do you buy any

"Not any more," the butcher answerslacker'n an old squaw with his work ed. "He stung me once with a dozen an' needs somebody to jerk him up, fine shoats. They looked great, but after I had slaughtered them and had "I noticed that about Dan," Bryce them dressed, they turned out to be

Zeb. He must have been fifteen sec- "Thank you." Bryce hung up. "I onds late this morning-or perhaps," knew that cook was wasteful," he dehe added, "you were fifteen seconds clared, turning to his father's old manager, one Thomas Sinclair. "He wastes Dan grinned, and Bryce went on ser- food in order to take the swill home iously: "I'm afraid you're getting too to his hogs-and nobody watches him. old to ride the log-carriage, Dan. You Things have certainly gone to the

ward you, you're fired. I might as ed. "I've never paid any attention to well tell you now. You know me, Dan. matters outside the office. Your father

Bryce looked at Sinclair. The latter "Fired!" There was unmistakable was a thin, spare, nervous man in the finality in Bryce tones. "You're hired late fifties, and though generally credagain, however, at a higher salary, as ited with being John Cardigan's manmill-superintendent. You can get away ager, Bryce knew that Sinclair was in with that job, can't you, Dan? In fact," reality little more than a glorified he added without waiting for the over-bookkeeper—and a very excellent joyed Dan to answer him, "you've got bookkeeper indeed. Bryce realized to get away with it, because I discharg- that in the colossal task that confronted the mill-superintendent I found on ed him he could expect no real help

profits go into the slab-fire. In fact, after everything else-while he could." "Oh, you'll soon get the business

THE WAR WIND A STAN BELL MADE.

"Well, I'm glad I started on the job today, rather than next Monday, as I

He stepped to the window and lookvessels should turn them to on the job "Well," purred Zeb Curry, "they once more. To his right and left



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the strong-armed fellows who piled steamer's decks. the lumber sat about in little groups All about Bryce were scenes of ac-

conversing with the mill-hands.

steam appeared over the roof of the "My father brought all this to pass-

idly feeding from their nosebags while swung inward, and descended to the

tivity, of human endeavor; and to him As Bryce looked, a puff of white in that moment came the thought: old sawmill, and the one o'clock whis- and now the task of continuing it is tle blew. Instantly that scene of in- mine! All those men who earn a livdolence and ease turned to one of ac- ing in Cardigan's mill and on Carditivity. The mill-hands lounging in the gan's dock—those sailors who sail the gangways scurried for the stations in ships that carry Cardigan's lumber inthe mill; men climbed to the tops of to the distant marts of trade—are dethe lumber-piles, while other men pass- pendent upon me; and my father used ed boards and scantlings up to them; to tell me not to fail them. Must my the donkey-engines aboard the vessels father have wrought all this in vain? rattled; the cargo-gaffs of the steam And must I stand by and see all this schooner swung outward, and a mo- go to satisfy the overwhelming ambiment later two great sling-loads of tion of a stranger?" His big hands newly sawed lumber rose in the air, clenched. "No!" he growled savagely.

(Continued next week).

Whose Neighbor Are You?

By N. A. McCune

RANCHMAN in Montana sent to Chicago for a fur overcoat. His tailor let the making of the coat to a Jew. Smallpox broke out in the Jew's shop, the germs were carried in the overcoat to Montana, and the ranchman died. In a town where the writer lived was a man who kept a cow and sold milk to a few families. Every child using the cow's milk was sick. It was then found that the stable where the cow was kept was in a filthy condition. A quarrel between two nations sprang up in Europe. It began in a town scarcely anyone in America had heard of, and whose name no one could pronounce. But before the quarrel was over, men had to go from America, three thousand miles away, to settle it. We live close together. We are neighbors whether we want to be, or not. We influence each other, even when we do not want to be influenced. There are some families, perhaps, in your neighborhood, with whom you do not associate. They are not the sort of people whom you incline to know intimately But your children associate with their children. In school they sit side by side. Your boy brings home words and habits that he acquired from that source. If you get desperate and move away, as I know of one family doing, you may move alongside some family more objectionable than the one you left. If being a neighbor is such a vital matter, it may be well to inquire, what kind of neighbor am I? Maybe someone is preparing to move, because they do not like my family. It is an art to be a neighbor.

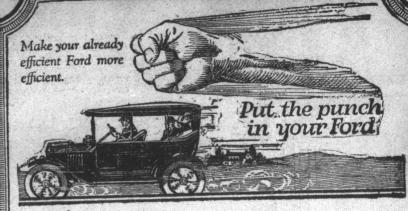
The story of the Good Samaritan, told in Saint Luke, is one of the most pungent and powerful stories Jesus ever told, and that is saying much, for Jesus was a master of the short story. In this story he says that a neighbor is anyone whom you can help. If that was important in Christ's time, it is a thousand fold more so now. People lived far apart then. They were separated by great distances. There are no great distances now. We live close together. We contact fifty people now, for one in Christ's time. What affects a man in Michigan, will affect his brother-in-law in Texas. We are tied together by an army of forces, social, business, racial and class, and we cannot escape. When the switchmen go on strike, it keeps the flour out of your bin, the coal out of your cellar, and

you cannot ship your stock.

A mean neighbor can make us a heap of trouble, though we never saw him, and he lives five hundred miles away.

THERE are no "local ills" any more. What is local this evening may be a world curse by morning. We are told by good authority that if the churches of the United States had spent a million dollars in sending missionaries to Russia twenty-five years ago, to spread the gospel of good will and peace, that the results would have been sufficient to offset the Bolshevist frenzy. Why is China not a menace to the world, like Russia? She has more people, they are at least as ignorant, and they have grievances enough. Well, one reason is, many of the Chinese leaders have been influenced by Christian ideals. In fact, not a few of the men in high office are professing Christians. Y. M. C. A. men and others have spoken to thousands of Chinese students, and these meetings are frequently presided over by government officials, and are sometimes held in government buildings. There has been some good neighboring of China, by Americans.

Christ taught that to love God aright is the art of arts. And next to that is the art of loving our neighbor. It must be a great themselves enough. John A. Andrew, war governor of Massachusetts, said that he had never discriminated against a man because he was poor, or because he was ignorant, or because he was black. Probably if he were living now, he would add, or because he was foreign-born. An old couple lost their only son. A year later, they were sitting by the fire one night, in silence and loneliness. Neither spoke. It was the anniversary of the death of their boy. There came a knock at the door, and a big powerful man came in and sat down. He lived near by. The excuse he made for coming was, that he thought they would like to try a few of his Baldwins. But the real reason was, he remembered it was a year, since the funeral. That man is one of the best known statesmen in America and the world. He was not doing it to make votes. He was unconsciously living all over again those words spoken so long ago, about the Samaritan who helped the poor fellow who fell among thieves. He was trying to be a good negihbor.



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Woman's Interests

Talk Up Your Job

sticking to housework.

last. Women always have done that, which will get by the editor. and an office or factory, it seems to

right on the job to keep the wheels first occupation of woman's. Let's if we could, this sort of a life doesn't after all. spell home. We'll hear a great deal

work. Instead of starting the day with keeper. Let's make it so again. a groan at the everlasting dishwash-

HERE'S one sort of propaganda ing, she should start it with a song of I'd like to see American women thanksgiving that she has the dishes start, and start right away. In- to wash: Even if she doesn't feel deed, if they don't start it and keep it thankful, if she'd really like to pitch going day and night for the next dec- every dish through the window, she ade, they are going to be a lot of sorry has no right to let her daughter sense women. And the men-well, they'll be thise feeling of dissatisfaction. She much sorrier than the women. I refer accepted the job of dishwashing when to a propaganda in favor of women she accepted her wedding ring, and it is up to her to make the best of it.

I am fully aware that just at present I'll admit that housework has its this would not be a bit popular. With hours of drudgery, but what job hasn't? publicity urging women to get out of For the woman who is tired of dishes the home and into the trades, business and cleaning, I would recomend the or profession, any movement suggest- job of trying to teach the multiplicaing that the time-honored trades of tion table to a child who, by rights, becooking, cleaning, washing, ironing longs in the school for the mentally and mending are highly necessary and deficient. To her who is sick and demand women's time and thought tired of planning meals and thinking would be frowned upon. But, then, of something different to eat, I would just what are we going to do if all the suggest trying to think up something women leave these lines of work and new every week-or day-for a hego into factories, offices, schoolrooms editor who doesn't know, anyway, what or studios? Someone has got to cook women want on the so-called woman's and wash dishes, and you can jolly page. Take it from one who is humbly well bet George won't do it. And trying to fill both jobs, getting somethere's another highly necessary occu- thing for dinner that will satisfy the pation that must be carried on if we family isn't to be mentioned in the don't want this generation to be the same breath with writing something

Housekeeping - home-making me, would make a mighty poor nursery. just now under a cloud. Why I don't Seriously, we've got to have homes in know. There is no more necessary, the real sense of the word if we want honorable, satisfying-and just now to continue American ideals. And we more highly paid—trade or profession can't have a home without someone if you wish to call it that, than this oiled and running smoothly. A com- start a propaganda in its favor. Let's munity kitchen that sends us our din- talk up housekeeping, not groan it ner, community laundries, and cleaners down. Let's pretend we like it even if who come in by the hour may rid us we don't. If we go about it in this of the hard work, if we have the mon-spirit, it will not be long before it will . ey to pay for this sort of service. But have lost its terrors and we'll be surfew of us can pay the prices, and even prised to find out we really like it

Above all, let's not urge our daughthis summer about what America ters to take up some other line of needs, but in reality what America work. They're bound to marry as the needs most of all is for women to stop sparks fly upward, and it will be hardrunning about trying to reform the er for them to settle down to homeoutside world and help stricken Eu- making if we've got them used to some rope, and to settle down in their own other line of work. Let's try to make workshops and sew on kiddies' buttons. it fashionable to be proud of our neat Every mother of a daughter should homes and good cooking. It used to be make it her business to talk up house good form to be an excellent house-

Spring's First Fruit

By Lulu G. Parker

have a few of the roots. The leaves well with stable manure in the late are ornamental enough for a place fall. This is spaded under or removed among the flowers and shrubbery, in in the spring in order to get early fact, they are quite as good looking as stalks for the first pie. the caladium, which is so commonly Last spring we cleared the snow off used around canna beds in city parks. from one end of the row, and set a

variety, sometimes called Wine Plant rel worked very well. in the catalogs. It has dark red stalks, Besides the usual pie and sauce

NATURE knew just what our jad- that is sheltered from north winds. she started the first rhubarb yard fence, where they are as ornaand every home garden should mental as useful. We mulch them

Several years ago we set out a doz- barrel over one root, banking it outen two-year-old roots that would cost side with horse manure. From under now about one dollar and fifty cents, the barrel we got long tender stalks and they have increased in size until several weeks earlier than from the they have furnished plenty of pie and rest of the bed. Perhaps a small hotsauce for a large family every spring bed frame with a sash would have been since the second year. Ours is a good better to cover the roots, but the bar-

which make a pink sauce of excellent there are other delicious wars of serving rhubarb. At canning time we put The roots should be set in a location it, half-and-half, with raspberries, thus making the more expensive fruit go yolks of three eggs very light and whip

Rhubarb and Ginger.

Wash and cut the stalks into inch half cup of sugar. Boil five minutes cups when cut into small pieces. Stir and add one tablespoonful of candied into the stalks one and one-third cup-

Baked Rhubarb.

into inch lengths. Put into a deep crumbs, and alternate the rhubarb and crock or pudding dish with one part crumbs till all is used. Have the top of sugar, two parts of fruit, or a little layer of crumbs. Cover and bake in a more sugar if the sauce is liked quite slow oven for half an hour. Serve sweet. Do not add water. Stand the warm with sugar and cream. crock or dish in a pan of boiling water to keep the rhubarb from burning, and Stew the pieplant until soft. To two lemon may be added as a flavor.

Rhubarb Meringue.

blespoonful of butter and a few drops brown. Serve cold.

spreading the raspberry flavor and of vanilla, or lemon juice. Beat the twice as far. We cook the rhubarb them into the rhubarb. Whip the with a little water until the little half- whites of the eggs to a stiff froth and inch slices break down into a mushy fold them into the mixture. Turn the sauce, and use it instead of water for whole into a pudding dish, set the dish canning the berries. The following in a pan of hot water and bake in a recipes are favorites in our family: slow oven for fifteen minutes. Serve with cream.

Rhubarb Brown Betty.

pieces. To each cup of fruit add one- Wash enough rhubarb to make three ginger. Boil three minutes longer fuls of sugar. Melt two tablespoon-Use as pudding sauce or filling for fuls of butter and stir it into one and one-half cupfuls of bread crumbs. Put a layer of buttered crumbs on the bot-Peel the stalks unless the skin is tom of a shallow pudding dish, cover very tender and easily cut. Cut them with a layer of rhubarb, then more

One-crust Pieplant Pie.

set it in the oven. Bake until the cups of the sauce beat in one tablestalks are clear, but whole. This makes spoonful of flour, yolks of two eggs, a pretty pink sauce and takes less sug- and sugar to taste. Line a pie pan ar than when it is stewed. A little with crust, pour in the mixture, dot lemon juice, or the yellow peel of a the top with bits of butter, and bake until firm like custard. Beat whites of the eggs to a stiff froth, with two Stew one pint of rhubarb stalks or tablespoonfuls of sugar. Spread over bake it as above. While very hot re- the pie, return to the oven, and allow move it from the fire and add one ta- it to remain until it is a delicate

Means to Govern the Child

By Ella E. Rockwood

than those advocated by the aforesaid ing storm clouds. wise man, and that by appealing to the I am reminded of a six-year-old who as no doubt nature intended.

pursue.

a firm hand is necessary, even so far suming his former occupation. is is doubtful if whipping a child ever so many "Don'ts?" did any real good, although it usually We are all of us more or less susturnishes a convenient safety valve ceptible to the law of suggestion. Any for the temper of the parent.

pathy one has for children. This is fraternity. Praise is better than far why grandparents are usually not in finding. Emphasize the good, be genfavor of much punishment. Things erous even to a child with "Thank you, look different than they used to, and dear," and nine times out of ten it minor offenses seem insignificant will respond readily to a parent's wishenough even to be overlooked entirely es. I cannot believe any parent looks rather than to indulge in a hand-to-back with satisfaction upon severe punhand encounter which some otherwise ishment of children. excellent parents seem to consider a necessary accompaniment to good government.

One little girl who is of a rather ner-vous, exitable temperament yields in- ask if a baby well and healthy at bet-One little girl who is of a rather nerstantly whenever matters are apter than a year old would be able to proaching a crisis if it is suggested take different kinds of milk, that is, that she go and put on her very best with it, would change of milk be bad, providing it was good milk?—D. H. ing occupation every vestige of temper. A healthy year-old baby should be vanishes and she becomes the most able to take any pure milk.

O claim that a child can be gov- tractable child imaginable. Her motherned entirely by love and moral er considers this better than having a suasion is to set at variance the scene or trying to conquer her by reawisdom of one supposed to have been son of superior physical strength. Ofthe wisest man who ever lived. Yet ten the suggestion of a visit to the there is a growing theory which is be- barn to see the calves or little lambs ing borne out by actual practice that or even to gather the eggs, answers children do yield to gentler influences every purpose in routing the gather-

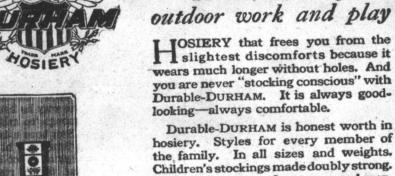
better instincts, commending the good was quite inclined to make things livequalities rather than arousing antagon- ly if crossed in his wishes. Left to ism by direct opposition when unde himself he was goodness personified. sirable tendencies are manifested, the Yet he could not always be left to himchild is led along in the desired direc- self. Lying on the floor of the livingtion unfolding and developing its life room he was amusing himself by lifting first one foot then the other and It is impossible to say what would letting it drop heavily on the carpet. have been the result in any given case His mother said nothing for a few had an opposite course been pursued, minutes, evidently thinking he would but it is undoubtedly true that many turn his attention in some other direcchildren possessed of a violent temper tion. Finally, without even a suggeshad it made worse instead of better by tion that he stop making the noise she being ruled by force. A case of this said: "John, do you know there are nature calls for rare good judgment some roses; out there on that bush? and self-control on the part of the par- Don't you want to go and pick some ent. If by any degree of tactfulness for a bouquet?" John scrambled eagan outbreak can be avoided and the erly to his feet, his face fairly shining, child safely guided past the danger and was off after the roses. When he signal, it is the far better method to came back he was too busy arranging them in a bowl his mother provided There are occasions however, when for the purpose, to even think of reas to follow the wise man's advice. Yet shall say this is not a better way than

physician knows this, and it is made The older one grows the more sym-useful in many ways by the medical

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Our Boys' and Girls' Department

The Trouble of a Big Boy

A Great Hope and The End it Came To-By Uncle Ed.

is to meet hard things with a choking it to death. cheerful heart. It is not always easy es, often near the woods, which has trouble. little seed pods which snap and fly away out a good many feet just as over, he set to work to do the best he ing makes strong. soon as you put your finger on them? could for Nan's lamb. He dug a deep But one thing we did after Nan's It is quite that way with some men hole at one side of the yard, not far lamb was caught. We got some more and women. They "fly all to pieces" if

vere test in that way. Grandfather marker: gave him a lamb, the way he had after the boys got old enough to take care of it. In due time Nan bore a lamb. It the boy saw the beginnings of a good do still better by and by?

a lamb, our boy did of Nan's lamb. He surely was on hand every time the feeding was to be done, and often befine. It got so it could nibble grass as well as any of the sheep; and it was that fresh green grass that proved to be the undoing of Nan's lamb. We had a board fence about the barnyard those days.

the other sheep did; why not she?

written all over his face.

Sure enough. There was the beautiful little thing part way under the surroundings as described above in his fence with a heavy panel of boards youth and whatever of substance or across her neck. Somehow while she wealth the father attained has been had been eating the grass on the other through the Duroc-Jersey route on side, the panel had been lifted high their western farm, and during the

girls have to learn in this world down it came, catching the lamb and ber for the mast of a ship, they do

from where the lamb had been caught, fence hooks, like those the panels they are called upon to bear difficult hunted up a nice smooth flat stone hung on, and put one above the secfrom the little stream that ran through ond board of the panel, with the hooks One of our boys had a bit of experi- the lane, and with a pencil of stone turned down. That prevented the ence once that gave him a pretty see put these words on the side of the sheep ever lifting any of the panels off.

"NAN'S LAMB."

If ever a boy did take good care of For we do gain strength by meeting liness of character.

NE of the first things boys and enough to unlock it from the hook and hard things. If men want to get a timnot go deep into the woods, for they You can imagine how hard it was to know that trees that grow there may to do it. Some folks, live as long as bear up against a thing of that kind. be tender and snap off when the wind they may, always drop right down the It takes a stout heart to be brave un- blows hard. But they seek the tree moment they feel the touch of trouble. der such circumstances but our boy that grows out in the open, where the Have you ever seen that funny little was a man about it. We were proud storms have whipped it and wind and plant that grows in low swampy plac- of his way of facing that big piece of hail and snow have pelted it. There they get a spar that will stand against After the first sting of the loss was any tempest. It is so with men. Test-

In some such way as that many of the most valuable suggestions come to Since that time our boy has had us. They are the result of accidents many things to meet that were not like that which took the lamb away, or was a pretty little thing and in fancy easy to be borne; but I am sure that they have come because we had to the brave and manly way in which he have them so that losses might be the big flock. Nan had begun right, at faced that loss has helped him to take better withstood and prevented. It is any rate, and why not count on her to with a courageous heart the more ser- fine to keep one's heart steady in the ious troubles that have been his lot. time of testing. It leads to real man-

tween times, too. And the lamb did Sire and Son Make Breeding History

(Continued from first page).

where the sheep ran. The panels hung pulled away from the thickly settled on iron hooks, quite the fashion in portions of the country's developed section where they have grown up, and Like a great many folks, the lamb have turned their backs on the sentithought the grass on the other side of mental things of the past and gone to the fence looked a great deal fresher a newer section to carve for themand greener than it did where she was. selves and theirs a home and an in-And she liked to get down on her knees heritance. The great men of the naand reach under the lower board of tion have been the offspring of pionthe fence and nip the grass as far as eers, for the builders of a country seem she could reach. That was the way to get more into life and get more out of it. They have usually been forced One day the boy came scampering to live in lean circumstances and earn from the sheep yard, with trouble their bread by honest to goodness perspiration. These are people who "Come quick, Pa! Come! Nan's can appreciate best the good things of lamb is caught and can't get away!" life that come to them.

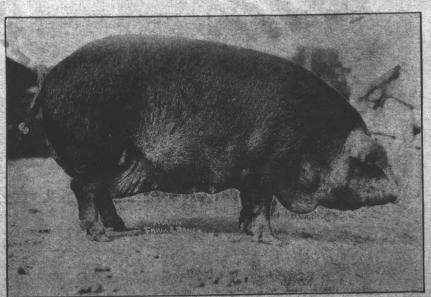
The subject of this story had such



Encouraged by a thoughtful father, Dwight Putman, at an early age gains national fame

young life of this breeder in embryo, while the father was building a herd of Durocs and disseminating good breeding stock to his neighbors all over the west. After completing high school this young man spent some time at the state university, taking particularly a course in feeds and feeding of swine and for a time had charge of the swine herd of the state institution. Scientific knowledge intelligently applied is doing wonders in the purebred industry today and it was to add this to his store of experience on the farm and in the herd that he took this university course. Returning to the herd he at once jumped into their care and conditioning and in his second year of that work had the pleasure of seeing a litter he had fitted walk off with the highest honors in the futurity show of Durocs. Every year since that date this firm has driven purple winners into the great shows of their own and neighboring states, and their public sales have been milestones in the breed's history. .

One other thing which this father did. He gave the son access to the bank account as soon as he was old



Model Maude from the Putman Herd is Awarded First Prize at National Swine Show.

enough to know what a check was, and the privilege was never abused. It engendered the confidence that could have been secured in no other

There is no denying the fact that much of the success of this herd in the past four or five years has been the result of this boy's close application to detail and his undivided interest in the work in which his father was wise enough to give him a part when his habits and likes were being formed.

It must have been with a good deal of pardonable pride that the subject of this sketch just passed his majority, departed in September, 1919, with his bride of a few weeks, to do the judging of all breeds at three of the largest fairs on the Pacific coast. We have it from one of the best posted men in the United States, who was present at those fairs representing another breed, that the young man acquitted himself most creditably and gave general satisfaction.

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ever was given a whole factory to it-self!—the 3½-inch

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voted solely to the

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made to order for

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of a high grade

3½-inch size.

article.

molded.

Has Dwight Putman made any money out of the business, and has he the vision of the hog business of the future that looks good to him? I haven't talked with him on that subject but I do know that he but recently turned down an offer of a position that would next year at least, if it didn't this, make him a clear salary of \$10,000. Why did he turn it down? He sees more pleasure, more profit, more outcome to the management of a good herd of Durocs than he does in any other job that has yet been offered. This isn't at all bad for a young man who is sticking to his father's "trade" and following in the footsteps of a pioneer in Duroc building.

Sunshine Hollow Items

By Rube Rubicon

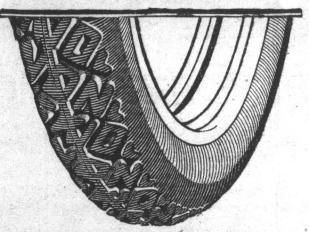
When the storm struck Sunshine Hollow, Norman Pierce was singing, "Good-Bye My Blue Bell," accompanied by his wife on the back porch. They changed their tune to, "Oh, How it Blew Belle," for just then the family cow named Belle, went sailing over the orchard. They traced Belle as far as Dewitt after the storm, as she was a heavy milker. When last seen she was headed for St. Johns at an altitude of ninety feet. Several times Belle used her tail as a rudder and dodged the buildings in the air. Norman will give \$10 reward to find out where it blew Belle.

Herman Wolf has been working out east in the shipyards and has often seen them christen ships. His wife wants to take their baby to church next Sunday to be christened but Herman says he can't bear to see the preacher soak little Fritz on the head with a

After the cyclone a farmer came along through our section and said he was looking for a house. We didn't know of any for rent and told him so. He said, "I don't want to rent one, I just peeped around the cement water trough over in the next township and saw my house going in this direction."

THE "HALF-BAGANI."

Among the Filipinos, apparently, it is the custom to base your position in society on the number of men you have killed. If you have slain five or more, according to the April Everyland, you become a "Half-Bagani" and are entitled to wear a fancy dress costume every day in the week. If you reach the magnificent record of ten killed, you are a full Bagani and may wear a still fancier dress costume. Since the American occupation, however, the number of candidates for Bagani distinctions has very rapidly decreased, and it is only in the remote interior places, nowadays, that one ever catches a glimpse of the honorable scarlet.



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'American Co-operative Association, Dept. 16

WANTED Collie Puppies. Write me if you ples or trained stock dogs for sale. State price in sirst letter. I buy both males and females. DR. EWALT'S COLLIE FARMS, Mt.Clemens, Mich.

housands flappy flousewives Poultrymens' Perplexities will human beings contract into the laying houses in the fall in tuberculosis from Hens? healthy condition, only good manageare helping their husbands to prosper—are glad they encouraged them to go where they could make a home of their own—save paying rent and reduce cost of living—where they could reach prosperity and independence by buying on easy terms. Fertile Land at \$15 to \$30 an Acre —land similar to that which through many years has yielded from 20 to 45 bushels of wheat to the acre. Hundreds of farmers in Western Canada have raised crops in a single season worth more than the whole cost of their land. With such crops come prosperity, independence, good homes, and all the comforts and conveniences which make for happy living. Farm Gardens—Poultry—Dairying are sources of income second only to grain growing and stock raising. Good climate, good neighbors, churches, schools, rural telephone, etc., give you the opportunities of a new land with the conveniences of old settled districts. Farm Lands For illustrated literature, maps, description of farm opportunities in Manitoba, Saskatchewai, and Alberta, reduced railway rates, etc., write Department of Immigration, Ottawa, Can., or Farm Lands Low Prices M. V. MacInnes, 176 Jefferson Ave., Detroit, Mich. Canadian Government Agent.

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Eggs and baby chicks. A few pens.

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Barred Rock Eggs from Chicago and Indianapolis winners, Great layers, \$2 per 15, \$10 per 100 and up. Huff Duck Eggs. 28th year, Circular free, G. EARL HOOVER, R. 3. MATTHEWS, IND.

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BUFF LEGHORNS Eggs for hatching \$2.00 per 15: \$12.00 per hundred. White Pekin Duck eggs 25 cents each. LAKE SIDE STOCK AND FRUIT FARM, Pinckney, Mich.

EGGS from trapnested S. O.White Leghorns, Barron strain, also White Wyandottes that lay, at \$10.00 per hundred or \$2.00 per setting of 15 eggs.
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For Sale 4 laying pullets and cock from, 260 egg strain and blooded stock. S. C. White Leghorns. Mrs. Henderson, Leetsville, Mich.

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CHICKS CHICKS CHC. A 12,000 chicks a week after Mar. 20. Grand laying strains utility S. O. White Leghorns and Mottled Anconas. Strong, sturdy chicks shipped everywhere parcel post guaranteed safe arrival in lots 25:50; 100 or more. 12th. season, order now. Fine free catalogue.

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Chicks Bred-to-Lay and Exhibition S. C. W. Leghorns, stock that produced the winners in the state demonstration farm work. Winners at Detroit, Toledo and Oil City, Pa. Shows, \$10.50 per 50, \$20 per 100, \$50 per 500. Safe delivery postage paid. Sunnybrook Poultry Farm, Hillsdale, Mich

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Baby Chicks The fluffy lively kind, the kind in the most modern incubators built, all eggs are from pure blood farm stock. Catalogue and price list mailed upon request. NORWALK CHICK HATCHERY, Norwalk, O.

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Put Avicol in the drinking water.



Most people lose half of every hatch, and seem to expect it. Chick cholera or white diarrhoea is the trouble. The U. S. Government states that over half the chicks hatched die from this cause.

An Avicol tablet in the drinking water, will positively save your little chicks from all such diseases. Inside of 48 hours the sick ones will be as lively as crickets. Avicol keeps them healthy and makes them grow and develop.

Mrs. Wm. May, Rego, Ind., writes: "I was losing 10 or 15 chicks a day from diarrhoea before I received the Avicol. I haven't lost a one since."

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By Parcel Post Prepaid. Delivered to You. Quarantee Live Delivery. Eggs for Hatching by the Set-ting or 100.

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We have installed the most modern features of the Hatching Industry which will insure chicks as strong as Hen Hatched Chicks and Full of Pep.

This is our 11th season. We have receive from our customers proves that our chicks and the fine reports and praise we receive from our customers proves that our chicks and we receive from our customers proves that our chicks and the fine reports and praise we production and that they are Properly Hatched. Stop your loss by buying our Re liable Chicks.

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Can we contract tuberculosis from sick hens? We keep a large flock of hens, and now and then one will get lame, droop around and live for some months if not killed. Is there danger in eating eggs soft boiled from such a flock? Please explain all you can.

Monroe Co.

Mrs. A. B.

Two years ago I bought three young

cle germ to man have not been attempted. While it is possible to transmit the disease to some experimental mammals, the pig seems to be the only mammal highly susceptible to the chicken tuberculosis. In our laboration with the disease to some experimental for young geese when first hatched, also young ducks?

Wayne Co.

J. L. H.

It would probably be best to purple the disease of the purple to the disease to the purple to the disease to the purple to the purpl diseased chicken.

of man. But from what I have said geese. that are not affected and destroying should also be added. those that are. In other words, I consider it an economic loss to maintain a flock of tuberculous chickens. Exto recommend it as yet. W. G.

SWELLING NEAR EYE.

Early last fall some of the summer chickens had a swelling on the left side of the head. The first one we let side of the head. The first one we let go and the lump got yellow and broke, pus running from it. We have had several more since, and as soon as we noticed them, killed and buried them. I have a fine flock of pullets, Barred Rocks, and I hate to kill them. Is there any help for them? Their appetites are good while the swelling is there, but it destroys the eyesight on that side, and think it also affects the other eye. We feed barley, oats, slage, cooked pumpkin, cabbage and apple peelings. I have about one hundred and forty chickens and have lost ple peelings. I have about one hundred and forty chickens and have lost seven or eight of them.

Gratiot Co. Mrs. E. M.

from a cold and is apt to occur in the fall when the birds have been exposed to cold winds and rains. If taken in the early stages an incision may be made to thoroughly drain the swelling. Usually it will be filled with a thick cheesy pus which easily drains out. Rub the head of the bird with camphorated vaseline and isolate it from the flock until healed. Sometimes the swelling will need draining several times. Whether a cure results or not usually depends upon the inherited vigor of the bird. Very good poultry manor of the bird. Very good poultry man-agement is needed in the fall to keep Is it advisable to have them run to-the birds free from colds. If they go gether for hatching purposes, or sep-

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There is no reliable evidence which indicates that man can contract tuber were of the same hatch. Now this culosis from tuberculous hens or other year I have raised one gander and two birds. Of course, direct experimental attempts to transmit the avian tubery year, but someone told me that I will the germ to man have not been at have to change ganders that I cannot the same have to change ganders that I cannot the same have to change ganders that I cannot the same have to change ganders that I cannot the same have to change ganders that I cannot the same have to change ganders that I cannot the same have to change ganders that I cannot the same have the same have the same have all the same have.

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STONE POULTRY HOUSE.

perimentally a tuberculin test has been Will you give me your opinion of a discovered which is of some assistance chicken house built from stone with in picking out the affected birds but wire partitions. I have plenty of the above mentioned material, and have been told by old stone masons that available and we are not in a position stone does not draw moisture, is cool in summer and warm in winter.
Wayne Co. E. R. A.

If you were a stone mason with spare time it might pay to work up your field stone into a poultry house. But such construction work is rather slow and if you had to hire stone mas-

The value of a stone poultry house can best be judged by visiting the This condition near the eye starts in the business for many years. If stone houses were the best these men have been in the business long enough to find it out. But there are few stone houses built because of the expense of construction, and it is usually safest to follow the methods of house building generally recommended by the experiment stations and the commercial poultrymen who have been making a study of the business.-R. G.

MATING BREEDING GEESE.

arate? Should I put three geese and one gander in separate pens? Would three geese be too many for one gander? C. G.

The easiest form of management will be to let the geese all graze together. If the two ganders have been raised together or came from the same flock, they will probably not quarrel. Three geese are nearly always mated to one gander unless they are very large birds, when the results are often better if only two geese are mated to a gander. The ganders will select three mates when placed with the flock. To one of the three he will appear to be the most attentive but he will seem to think considerable of his entire family. When the matings are made they can remain together for several years and if one of the mating is sold or killed it will seem to cause the others considerable anxiety. Geese are interesting birds and seem to have more brains than they are generally R. G. K. credited with.

VALUE OF SKIM-MILK.

What is the feeding value of skimmilk as compared with meat scraps for laying hens, and how much do you consider skim-milk worth per hundred pounds when fed with a balanced ra-

Washtenaw Co. High-grade meat scrap contains 10.7 per cent water, 4.1 per cent ash, 60.2 per cent protein and twenty-five per cent fat. Skim-milk contains 90.6 per cent water, 0.7 per cent ash, 3.1 per cent protein, 5.3 per cent carbohydrates and 0.3 per cent fat. It is therefore apparent that a hen must consume a large quantity of milk to obtain as much protein as in a small amount of high-grade meat scrap. Most poultrymen seem to like to use a combination of meat and milk in the ration. From ten to twenty per cent of meat scrap can be placed in the dry mash. Then sour milk is always placed before the birds in crocks. Between the sour milk and the meat scrap the hens receive enough protein to produce a profitable number of eggs.

The value of skim-milk depends upon the cost of getting it to the farm and the comparative prices of other feeds. I know one poultryman who said sour milk was worth five cents per quart to him as a feed for chicks and laying hens. One milk dealer sells sour milk for fifty cents per can when he happens to have it on hand. At the present price of other feeds I believe that sour milk should be worth about \$1.50 per hundred pounds and more or less depending on the ease of obtaining the supply and the value of the poultry to which it is to be fed.

SYMPTOMS OF TUBERCULOSIS.

What is the trouble with my chickens, and can you give me a remedy? They begin to droop, get lame in one leg and seemingly blind, and die. We have lost about six or eight in two months. months.

The symptoms of lameness and extreme emaciation often indicate tuber culosis in fowls. A post mortem would pay to find if there are small greyish nodules on the liver. That is often the determining factor in diagnosing cases of tuberculosis in fowls. There is no cure and it is necessary to kill obtain new foundation stock after the house has been thoroughly sprayed and the soil freshened by plowing. In cases of this kind it will pay to have a veterinarian give the flock a personal inspection.

Green food is a good appetizer.

Meat scrap or skim-milk help to

make early broilers.

A small hopper containing grit, charcoal and granulated bone tends to correct leg weakness.

MAKING THE DAIRY PAY BIGGER PROFITS

About eighty-four billion pounds of milk are produced in the United States each year.

Of this total the butter industry consumes approximately thirty-four billion pounds.

But - approximately thirty billion pounds of the amount devoted to butter-making becomes skimmed milk-having practically no market as human food.

F someone should come to you and say -"I have discovered a new way to convert your corn-husks into paper-pulp, or-"I can make a new fabric from your wheatstraw," or - "I have found a commercial use for the chaff from your wheat," you then would suddenly realize the value of new markets.

In such manner Hebe comes to you and says, "I have created a new and more profitable market for your by-product, skimmed milk. I have done this by restoring to the skimmed milk a fat content—the element it lacks to make it more desirable, and therefore more readily salable as human food, for certain purposes. This I have accomplished by scientifically emulsifying the fat pressed from the pure white meat of the cocoanut with the skimmed milk, creating a product that serves in the home as an auxiliary to the daily milk supply in cooking and for baking."

The utilization of by-products is a big problem in every industry. Gluten, coaltar, gasoline and cotton-seed were valueless by-products until someone found a commercial use for them. Skimmed milk is the big by-product of the dairies—thirty billion pounds of it are produced yearly.

The greater part of this by-product, which science tells us is a highly nutritious food, is being fed to stock, when according to the Department of Agriculture it could be used to better and more profitable advantage as human food. Hebe points the way to marketing skimmed milk as human food. It is the first big effort in this direction.

You will ask the question—How is Hebe to benefit the dairy farmer who is not near enough to a Hebe condensery to sell his milk there?

Remember, the Hebe industry is only in its infancy. It will grow with every can sold. Every bit of advertising put out by The Hebe Company will exert a beneficial influence on the dairy product market as a whole. Witness the influence on the market by the sale of nearly four billion pounds each year to the ice-cream manufacturers. While not every farmer is within shipping distance of an ice-cream factory, yet every milk-producer benefits by the demand.

There is no camouflage about Hebe. It is produced, labeled, advertised and marketed for just what it is-"A Compound of Evaporated Skimmed Milk and Vegetable Fat," for cooking purposes. It is not a substitute; it is not an imitation. It is Hebe and nothing else. Hebe creates a distinct place of its own, separate from the general class of dairy products. In seeking and finding its proper place in the market, Hebe will prove a substantial benefit to the entire dairying industry, increasing the general use of dairy products.

You will be interested in our booklet, "The Missing Third." Ask us to send you a copy. There is no charge for this. Address 2560 Consumers Building, Chicago.

THE HEBE COMPANY

CHICAGO

SEATTLE

and burn the sick birds to reduce the risk of infecting the remainder of the flock. It is very contagious and it usually pays to clean up the old flock and CHECKS and the second second

POULTRY

B-A-B-Y C-H-I-C-K-S

Orescont White Leghorns; also Anconas, Brown and Buff Legho ns, Black Minorcas, Beds, Rocks (Barred and Wyandottes (Bilver-Jaced and White). WE HATCH the eggs of Hoganized flocks on range on separate farms.— Orescat Egg Ompany, Allegan, Mich.

Baby Chicks. Eleven leading varieties, bred from show-stock, to produce eggs, at utility prices. Send for illustrated catalog and price list. Ohls Poultry Yard and Hatcheries, Dept. B. Marion, O.

CHICKS We have shipped thousands each season since 1904. Are booking orders now for Spring delivery, booklet and testimonials, FREEPORT HATCHERY, Box 12, Freeport, Mich

Edgewood Chicks Strain \$20 per 100. Quaranteed.

Fowler's Buff Rocks. We are now booking or cockerels left. R. B. FOWLER, Hartford, Mich.

DANGER If chix and eggs are Chix 15c Up 100,000 Chix this season. Best Blooded stock ever produced at low prices quoted. Selected Utility, Exhibition trapnested stock. 16 varieties. Hatching eggs. Hens, Ducks. Book your orders early. Avoid disappointment. Stamps appreciated. Beckman Hatchery, 25 E. Lyon St. Grand Rapids, Mich.

HATCHING EGGS Plymouth varieties.) Wyandotte, Ancona, and Bouen Ducks. Cat-alog Ze. Sheridan Poultry Yards, R.4, Sheridan, Mich.

BIG 5 to 6 POUND White Leg-pound males. On account of their larger size they stand cold weather better and lay all winter. Free catalog gives winter egg records, describe feeding methods, etc. A. WAUOHEK, Gobleville, Mich.

JOHN'S Big Beautiful Barred Rocks are hen hatch Jed grow quick good layers 30 eggs \$3.50; 50, \$5. Cock erels \$4 to \$5. Photos. John Northon, Clare, Mich.

Rhode Island Whites the best all purpose Birds being year round landing and chicks and a few good males.

H. H. JUMP, Jackson, Michigan,

LAYBILT S. C. W. LEGHORNS

large, great layers, pure white. Strong, Day-Old Chicks. Hatch every week. Guaranteed delivery, full count, alive and lively \$18.00 per 100. Parcel postpaid. V. A. MORSE, IONIA, MICHIGAN

Additional Poultry Ads on Page 795

housands Happy Housewives Poultrymens' Perplexities are helping their husbands to prosper—are glad they encouraged them to go where they could make a home of their own—save paying rent and reduce cost of living—where they could reach prosperity and independence by buying on easy terms. Fertile Land at \$15 to \$30 an Acre —land similar to that which through many years has yielded from 20 to 45 bushels of wheat to the acre. Hundreds of farmers in Western Canada have raised crops in a single season worth more than the whole cost of their land. With such crops come prosperity, independence, good homes, and all the comforts and conveniences which make for happy living. Farm Gardens—Poultry—Dairying are sources of income second only to grain growing and stock raising. Good climate, good neighbors, churches, schools, rural telephone, etc., give you the opportunities of a new land with the conveniences of old settled districts. For illustrated literature, maps, description of farm opportunities in Manitoba, Saskatchewad, and Alberta, reduced railway rates, etc., write Department of Immigration, Ottawa, Can., or Farm Lands Low Prices M. V. MacInnes, 176 Jefferson Ave., Detroit, Mich. Canadian Government Agent.

They Lay and Pay!

There is more than a tingle of satisfaction when you receive Ovic's Baby Chicks, which are beyond comparison in quality, from free range flocks. That is why, once a customer, always a customer.

25,000 SELECTED CHIX WEEKLY Hatched by an expert with our new system used exclusively by us, in the world's most up-to-date Hatchery.

19-to-date Hatchery.
14 LEADING VARIETIES
Safe delivery guaranteed by P. P. prepaid.
Write us for illustrated booklet on Ovie's Chix

OVIE'S HATCHERY CO.

A State Street MARION, IND. 24 State Street

Baby Chicks S.C.White Leghorns, bred to lay. After Apr. 1 will sell chix and eggs from my exhibition pens, write for prices.
HILLSIDE POULTRY FARM. Hillsdale, Mich.





Buff Leghorn and White Leghorn Cockerels from 200 egg strains.

Eggs and baby chicks. A few pens.
Dr. WILLIAM SMITH. Petersburg, Mich

Barred Rock Eggs from Chicago and Indianapolis winners, Great layers, \$2 per 15, \$10 per 100 and up. Huff Duck Eggs, 28th year. Circular free, G. EARL HOOVER, R. 3, MATTHEWS, IND.

BARRED ROCKS 15 eggs, \$1.75; by prepaid mail. 100 hens laid 10,421 eggs from January 1 to November 1, 1919. Lewis B. Avery, Clinton, Mich.

Barred Rock Baby Chicks and Hatching eggs.

Order in advance. Apply for terms.

H. H. PIERCE, Jerome, Mich.

BUFF LECHORNS Eggs for hatching \$2.00 per 15: \$12.00 per hundred. White Pekin Duck eggs 25 cents each. LAKE SIDE STOCK AND FRUIT FARM, Pinckney, Mich.

EGGS from trapnested S. O.White Leghorns, Barron strain, also White Wyandottes that lay, at \$10.00 per hundred or \$2.00 per setting of 15 eggs.
MACALWHITE POULTRY YARDS, Caro, Michigan

For Sale 4 laying pullets and cock from, 280 egg strain and blooded stock. S. C. White Leghorns. Mrs. Henderson, Leetsville, Mich.

CHICKS AND EGGS

lose and Single Comb R. I. Reds. Barred Plymouth locks. Superior Color. Prolific Layers. Prepaid by arcel post and safe delivery guaranteed. Illustrated catalog free.
INTERLAKES FARM. Box 39. Lawrence, Mich

CHICKS CHICKS 12,000 chicks a week after Mar. 20. Grand laying strains utility S. O. White Leghorns and Mottled Anconas. Strong, sturdy chicks shipped everywhere parcel post guaranteed safe arrival in lots 28407, 100 or more. 12th. season, order now. Fine free catalogue.

W. VAN APPLEEDORN. R. 7. Holland, Mich.

Chicks, Leghorns, Minorcas, Spanish, Houdans, Cam-berg, Pines, Reds, Rocks, Orpingtons, Brahmas, Wyandottes. Tyrone Poultry Farm, Fenton, Mich

Chicks Bred-to-Lay and Exhibition S. C. W. Leghorns, stock that produced the win ners in the state demon stration farm work. Winners at Detroit, Toledo and Oil City, Pa. Shows, \$10.50 per 50, \$20 per 100, \$50 per 500. Safe delivery postage paid. Sunnybrook Poultry Farm.

Barred Rocks egg contest winners eggs from strain with records to 290 a year \$2.00 per setting prepaid by P. P. Circular free. FRED ASTLING, Constantine, Mich.

Baby Chicks the fluffy lively kind, the kind in the most modern incubators built, all eggs are from pure blood farm stock. Catalogue and price list mailed upon request.
NORWALK CHICK HATCHERY, Norwalk, O.

DAY OLD CHICKS S. C. W. Leghorns. Exclusively. Vigorous, sturdy chicks. From heavy laying strain. Seventh season Send for price list to CITY LIMITS HATCHERY, B. No. 5, Box II, Holland, Michigan

OVIE'S BABY CHICKS Saves Baby Chicks

Put Avicol in the drinking water.



Most people lose half of every hatch, and seem to expect it. Chick cholera or white diarrhoea is the trouble. The U. S. Government states that over half the chicks hatched die from this cause.

An Avicol tablet in the drinking water, will positively save your little chicks from all such diseases. Inside of 48 hours the sick ones will be as lively as crickets. Avicol keeps them healthy and makes them grow and develop.

Mrs. Wm. May, Rego, Ind., writes: "I was losing 10 or 15 chicks a day from diarrhoea before I received the Avicol. I haven't lost a one since."

It costs nothing to try Avicol. If you don't find that it prevents and promptly cures white diarrhoea and all other bowel diseases of poultry, tell us and your money will be refunded by return mail. Avicol is sold by most druggists and poultry remedy dealers, or you can send 25c or 50c today for a package by mail postpaid. Burrell-Dugger Co., 495 Columbia Bldg., Indianapolis, Ind.

stops chicks dying

Hubers Reliable Chicks 500,000 FOR 1920



By Parcel Post Prepaid.
Delivered to You. Guarantee Live Dolivery. Eggs
for Hatching by the Setting or 100.

We have installed the
most modern features of
the Hatching Industry
which will insure chicks as
strong as Hen Hatched
Chicks and Full of Pep.
This is our 14th season

Chicks and Full of Pep.

This is our 11th season.
With the great increased demand for our chicks and are from Stock of Good Quality, Bred for Heavy Egy Production and that they are Properly Hatched. Stop your loss by buying our Re liable Chicks.

We hatch all our chicks from pure bred, free range farm stock. S. S. White and Brown Leghorns, S. C. Anconas, Barred Rocks, S. C. and R. C. Reds, S. C. Bilack Minorcas, and S. C. Bull Orpingtons. Special combination offer on chicks, howers and brooder stoves. Before buying elsewhere send for free illustrated catalog and prices. Place your order at once and avoid disappointment in the rush of the season.

Hubers Reliable Hatchery FOSTORIA, OHIO East High St.



You will be interested in the Extra Quality White Leghorns inspected and certified as Heavy Producers by the Poultry Live and healthy chicks and satisfactory hatch from Eggs guaranteed.

Eggs guaranteed.

S. C. Reds. One pen only Cockerel and five Pullets; large egg conformation. Send for new Catalog with illustrations; it well help you raise your Chicks. Also it explains the Home-stead Farms plan of cooperation.

STATE FARMS ASSOCIATION, kalamazoo, Michigan.

Baby chicks: Standard Bred S. C. White and Brown Also English White Leghorns. Bred to lay large white eggs. Safe arrival guaranteed, shipped up to your door by parcel post. Free catalogue with list. WOLVERINE HATCHERY, R. 2, Zeeland, Mich.

BARRED ROCKS. Eggs from vigorous from heavy laying strain. \$2 per 15. \$5 per 45. Prepaid by parcel post. R. G. Kirby, Route 1, East Lansing, Mich.

TUBERCULOSIS FROM HENS?

Can we contract tuberculosis from sick hens? We keep a large flock of hens, and now and then one will get lame, droop around and live for some months if not killed. Is there danger in eating eggs soft boiled from such a flock? Please explain all you can.

Monroe Co.

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The symptoms of lameness and extreme emaciation often indicate tuber culosis in fowls. A post mortem would pay to find if there are small greyish nodules on the liver. That is often the determining factor in diagnosing cases of tuberculosis in fowls. There is no cure and it is necessary to kill obtain new foundation stock after the house has been thoroughly sprayed and the soil freshened by plowing. In cases of this kind it will pay to have a veterinarian give the flock a personal

Green food is a good appetizer. Meat scrap or skim-milk help to

A small hopper containing grit, charcoal and granulated bone tends to correct leg weakness.

make early broilers.

MAKING THE DAIRY PAY BIGGER PROFITS

About eighty-four billion pounds of milk are produced in the United States each year.

Of this total the butter industry consumes approximately thirty-four billion pounds.

But - approximately thirty billion pounds of the amount devoted to butter-making becomes skimmed milk-having practically no market as human food.

F someone should come to you and say -"I have discovered a new way to convert your corn-husks into paper-pulp, or-"I can make a new fabric from your wheatstraw," or - "I have found a commercial use for the chaff from your wheat," you then would suddenly realize the value of new markets.

In such manner Hebe comes to you and says, "I have created a new and more profitable market for your by-product, skimmed milk. I have done this by restoring to the skimmed milk a fat content—the element it lacks to make it more desirable, and therefore more readily salable as human food, for certain purposes. This I have accomplished by scientifically emulsifying the fat pressed from the pure white meat of the cocoanut with the skimmed milk, creating a product that serves in the home as an auxiliary to the daily milk supply in cooking and for baking."

The utilization of by-products is a big problem in every industry. Gluten, coaltar, gasoline and cotton-seed were valueless by-products until someone found a commercial use for them. Skimmed milk is the big by-product of the dairies—thirty billion pounds of it are produced yearly.

The greater part of this by-product, which science tells us is a highly nutritious food. is being fed to stock, when according to the Department of Agriculture it could be used to better and more profitable advantage as human food. Hebe points the way to marketing skimmed milk as human food. It is the first big effort in this direction.

You will ask the question-How is Hebe to benefit the dairy farmer who is not near enough to a Hebe condensery to sell his milk there?

Remember, the Hebe industry is only in its infancy. It will grow with every can sold. Every bit of advertising put out by The Hebe Company will exert a beneficial influence on the dairy product market as a whole. Witness the influence on the market by the sale of nearly four billion pounds each year to the ice-cream manufacturers. While not every farmer is within shipping distance of an ice-cream factory, yet every milk-producer benefits by the demand.

There is no camouflage about Hebe. It is produced, labeled, advertised and marketed for just what it is-"A Compound of Evaporated Skimmed Milk and Vegetable Fat," for cooking purposes. It is not a substitute; it is not an imitation. It is Hebe and nothing else. Hebe creates a distinct place of its own, separate from the general class of dairy products. In seeking and finding its proper place in the market, Hebe will prove a substantial benefit to the entire dairying industry, increasing the general use of dairy products.

You will be interested in our booklet, "The Missing Third." Ask us to send you a copy. There is no charge for this. Address 2560 Consumers Building, Chicago.

THE HEBE COMPANY

CHICAGO

SEATTLE

POULTRY

B-A-B-Y C-H-I-C-K-S

Crescent White Leghorns; also, Anconas, Brown and Buff Legho ns, Black Minorcas, Reds, Bocks (Barred and White), and Wyandottes (Silver-laced and White). WE HATCH the eggs of Hoganized flocks on range on separate farms. Cresent Egg Company, Allegan, Mich.

Baby Chicks. Eleven leading varieties, bred from show-stock, to produce eggs, at util-ity prices. Send for illustrated catalog and price list. Ohls Poultry Yard and Hatcheries, Dept. B., Marion, O.

CHICKS We have shipped thousands each season since 1904. Are booking orders now for Spring delivery, booklet and testimonials.
FREEPORT HATCHERY, Box 12, Freeport, Mich

Edgewood Chicks S. C. White Leghorns, Barron Strain \$20 per 100. Guaranteed EDGEWOOD POULTRY FAR.s., Brighton, Mich.

Fowler's Buff Rocks. We are now booking or cookerels left. R. B. FOWLER. Hartford, Mich.

DANGER If chix and eggs are Chix 15c Up 100,000 Chix this season. Best Blooded stock ever produced at low prices quoted. Selected Utility, Exhibition trapnessed stock. 16 varieties. Hatching eggs. Hens, Ducks, Book your orders early. Avoid disappointment. Stamps appreciated, Beckman Hatchery, 25 E. Lyon St., Grand Rapids, Mich.

HATCHING EGGS Plymouth varieties,) Wyandotte, Ancona, and Rouen Ducks. Cat-alog 2c. Sheridan Poultry Yards, R.4, Sheridan, Mich.

pound males. On account of their larger size the stand cold weather better and lay all winter. Free catalog gives winter egg records, describe feeding methods, etc. A. WAUCHEK, Gobleville, Mich.

JOHN'S Big Beautiful Barred Rocks are hen hatch Jed grow quick good layers 30 eggs \$3.50; 50.35. Cock erels \$4 to \$5. Photos. John Northon, Clare, Mich.

Rhode Island Whites Are the best all purpose Birds being year round lay-ors, legg and chicks and a few good males. H. H. JUMP, Jackson, Michigan,

LAYBILT S. C. W. LEGHORNS

large, great layers, pure white. Strong, Day-Old Chicks. Hatch every week. Guaranteed delivery, full count, alive and lively \$18.00 per 100. Parcel postpaid. V. A. MORSE, IONIA, MICHIGAN

Additional Poultry Ads on Page 795

STYLEPLUS CLOTHES FEED PRICES DISCOURAGE CONSUMPTION. (Continued from page 769).

Which is it with you— Is it highest price or Styleplus?

Are you going to pay an extravagant price to insure getting good clothes—or buy Styleplus, which

guarantee you style and all-wool quality at moderate The all-wool Styleplus fabrics are splendidly tailored. The clothes have style. Every suit is guaranteed to give satisfaction. Yet you pay a moderate price!

A known price printed on the sleeve ticket!

See before you pay! Visit your Styleplus dealer and try on the clothes. It's the safe way to buy clothes.

MENRY SONNEBORN & CO., INC. Baltimore, Md.

Sold by one leading clothing-merchant in most cities and towns. Write us (Dept. H) for name of local dealer.

The big name in clothes Styleplus

Clothes

\$45-\$50-\$55-\$60 The sleeve ticket tells the price



BREEDERS' DIRECTORY

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Change of Copy or Cancellations must reach us Ten Days before date of publication

Wildwood Farms Angus

Home of Edgar of Dalmeny one of the world's greatest sires.

He produced Erode mas, the grand champion bull at show in Perth, Scotland in Jan. 1919, and like produced Blue Bell a cross-bred heifer which was awarded the championship at the smithfield, (Eng.) fat stock show in Dec. 1919. (The latter is Englands, equivilent of our Chicago International.)

Edgar is now an American Citizen, and is here for the purpose of bettering the breed in this country.

country.

Edgar's calves are as yet too young to offer for sale but they are a promising lot and are being spoken for fast

We have a few choice young bulls by Black Monarch III who won the Mich. State Fair Grand Championship in 1914-1915-1916, still for sale.

Our herd is under State and Federal supervision A visit will interest you, write for particulars.

WILDWOOD FARMS

ORION, MICHIGAN

W. E. SCRIPPS, Prop.,

Sidney Smith, Supt.

WOODCOTE ANGUS

Trojan-Ericas and Blackbirds. WOODCOTE STOCK FARM, Ionia, Mich.

For Sale At reasonable prices.

Registered Aberten to twenty-two months of age LANG BROS, Davison, Mich.

GUERNSEY BULL CALVES whose 19,460.20 milk, 909.05 fat. Their mother's sire's dam made 15,109.10 milk, 778.80 fat.

FOR SALE Three Aberdeen Angus bulls, and seven months. Bred from the best stock in America. Also 320 acres land in Isabella County.
BRINTON F. HALL. Belding. Michigan

Guernsey Bull Calf., Linded of Walter Phipps Farm, Born May 2-1919: \$100.00 f.o.b. Novi or Birming-ham, Walter Phipps Farm, 80 Alfred St. Detroit, Mich.

Registered GUERNSEYS. Two orders for the same bull calf the same day makes a fellow mad, just one wheth, that will be old enough for service in a couple of months.

J. M. WILLIA S. North Adams, Mich.

Reg. Guernsey Bulls for sale cheap from 1 to 12 months old and from good producing and tuberculin tested cows. C. E. Lambert & Sons, Linwood, Mich.

For Sale Registered Guernsey bulls. May Rose breeding cheap if taken soon Come or write. John Ebels R. 2 Holland, Michigan.

Three registered Granger bull calves, May Rose breeding, closely related to Spottswood Daisy Pearl, Dolly Dimples, Langwater Nancy, Langwater Hope, Langwater Baisy and imported lichen Daisy 3rd, cows that have the higher milk and butter fat production of the breed. Calves sired by Albany's King of Anna Dean Farm; his grand dam Spottswood Daisy Pearl, Alec Harper, %Edward Lowe Robinson Rd., Grand Rapids, Mich.

Herd Federal inspected. Bull calf Guernseys. 7 mos old, sired by son of Imp. Spotswoods Sequel. Dam, a high class cow of A. R. breeding. \$150 takes him. 5 others 3 to 6 mos, old priced right. Satisfaction guaranteed. G. W. & H. G. Ray Albion Mich.

GUERNSEYS -REGISTERED DALVES Containing blood of world champions. HICKS' QUERNSEY FARM, Saginaw. W.S. Mich

FOR SALE a number of pure bred Holvery well bred Holstein bull calves.

JOSEPH H. BREWER, Grand Rapids, Mich.

REGISTERED Holstein bulls sired by King Zerma Alcartra Pontiac, son of the \$50,000 bull; some from good A. R. O. cows. C. H. Giddings, Gobleville, Mich

Winnwood Herd

-SENIOR HERD SIRE-Flint Maplecrest Boy (166974)

Flint Maplecrest Boy (166974)

4 years old and weighs 3000 lbs. We have a few of his sons ready for service and some little fel lows straight as a line and priced right the daughters of Flint Maplecrest Boy are making good.

—JUNIOR HERD SIRE—

Sir Ormsby Skylark Burke (249 66)

A brother to the world champion cow over all breeds (Duches Syklark Ormsby) 1506 lbs, of butter in one year. He is the best bred Ormsby bull in Michigan his dam a daughter of King Segis Pontiac Count and the \$50,000 bull King Segis Pontiac Count and the \$50,000 bull King Segis Pontiac one of his sons out of a daughter of Flint Maplecrest Boy will make some herd sire.

JOHN H. WINN, (Inc.)

JOHN H. WINN, (Inc.) ROSCOMMON, MICH.

BUTTER BOY ROSINA PRINCE 257572. Herd sir a 30 lb.cow that made 1345 lbs. in one years, and Dan Butter Boy Rosina 2nd 200540 made 29 lbs., and almos 800 lbs. in ten months, she has a 33 and 34 lb. sister have some fine Bulls and Herifers and some heifer bred to him. all from A. R. O. Cows, with record from 22 to 30 lbs. Hampshire Hogs-Fall Boars read for service, and gilts. Also booking orders for Sprin. Pigs. Beginum, Percheron Stallions and Marcs. Imported and American bred. Write or come and see us SAGINAW VALLEY STOCK FARM, Saginaw, W. S., Michigan ELI SPRUNGER & SON, Proprietors.



To Get Profits Get a Holstein Bull

It doesn't cost much to make a start, but every year it will cost more. Some of the most successful and prominent Holstein men started with only a few purebred animals in connection with a number of good grades, gradually weeding out the grades and replacing them with purebreds.

Grade up your herd with a purebred Holstein sire. Then when you're satisfied that you're on the right track, you'll feel like getting a few cows. Any good Holstein does the work of two ordinary cows.

But read all the Holstein facts in our free booklets. Write for them today.

THE HOLSTEIN-FRIESIAN ASSOCIATION 164 Hudson Street Brattleboro Vermont.

Denbrook Farm offers two bull calves at greatly reduced prices

No. 2, out of the daughter of a 19 lb. three year old by a son of King of the Pontiacs. Price \$100.

Both calves almost all white and with absolutely straight top lines.

E. J. S. DENBY, Farmington, Mich.

\$150 Buys reg. Holstein helfer past 1 yr. old adjustment of prices to a new anteed O. K. akron, Mich basis will be somewhat delayed.

ers is reflected in the sales of bran for June shipment at a discount of as much as \$10 a ton under the spot market, with late May delivery at a discount of about \$6.00 a ton.

Shorts are in as strong position comparatively as bran, and when a downturn materializes, the heavier offal will be slow to recede sympathetically. Consumption of shorts is heavy until the opening of summer, spring pigs requiring large quantities of the feed during the spring season. Shorts prices range up to \$62 a ton in Minneapolis, \$60 in Chicago, \$57 to \$58 in Kansas City and \$63 in St. Louis. Red dog, or low grade flour, which has been used extensively by hog producers, commands a premium of about \$5.00 a ion over gray shorts.

Linseed Market Reacts from Recent Slump.

Linseed cake and meal receded to an apparently attractive level, heavy buying at the low point forcing a sharp rebound. From a top of above \$80 a ton on the Minneapolis market, prices followed a rather sharp downward trend, reaching a low level of \$64 a ton. But the \$64 figure was only shortlived, a quick rally forcing prices to around \$70 a ton. Slightly more flaxseed is being imported for domestic crushers from the Argentine, but crushing activities have been seriously restricted, either because of a lack of seed or strained transportation conditions. Northwestern seed is reported as practically exhausted. But there is no need for concern over the possibility of a further sharp upturn in linseed feed. Consumptive demand is extremely light, foreign trade is stagnant with immediate prospects for the future not bright so far as export trade is concerned. It is too close to summer to buy the feed in more than small quantities—what is actually needed.

Cottonseed Prices Headed Downward. The cottonseed cake and meal market is in a rut. Price movements are extremely narrow, downward on the whole, lack of demand from feeders giving the market a weak tone. Cake and meal of forty-three per cent protein can be bought freely in the southwest at \$60 a ton, basis crushing plants, with the price in the important middle west feeding belt around \$67 to \$70. Fertilizer manufacturers are absorbing the cheaper offerings, but demand even from that source has fallen off. This is the period when demand is normally extremely quiet, but the dullness is probably more pronounced this year. A depressing influence is the return of considerable quantities of cake held at the seaboard for foreign shipment to be re-

sold in domestic channels. Forage Prices Soar.

Hay is unusually strong. The strike of switchmen has been more seriously felt in the forage trade than in any other feedstuffs market. At many terminals the trade has been at practically a standstill, owing to inability of carriers to bring the hay into market. So it is difficult to reveal the actual state of the trade. Local demand at many markets has forced a Pure Bred Holsteins tight condition. Timothy in St. Louis is selling as high as \$52 a ton at this writing and alfalfa at that market is bringing \$45 for No. 1. Chicago quotes timothy at this writing around \$36 to No. 1, out a 16 lb. 25 months old heifer, by a 35 lb. son of Glista Erica, Price \$150. F. O. B. the west would probably be of a liberal volume, as country stocks are large and producers are eager to market their remaining holdings. But consumption is comparatively as large. and because of the strain resulting from the strike, it is probable the readjustment of prices to a new crop

Cutting Down Cost of Producing Milk

By Ralph H. Sawyer

C TRENUOUS efforts are now being made by the New York State Agricultural College at Cornell University to educate the farmers of that state in ways to cut down on the cost of milk production. Through extension men, farm bureau service, agricultural bulletins, and other means, a state-wide propaganda has been started, which, if successful, will go far toward relieving the great problems which have been facing farmers and dairymen since the close of the world

Clean cow barns, labor-saving devices, efficient use of farm machinery, cost accounting, and careful management of the animals are all advised, but particular emphasis has been laid on ways in which the farmer can cut down on his feed bill, which is his greatest single item of expense.

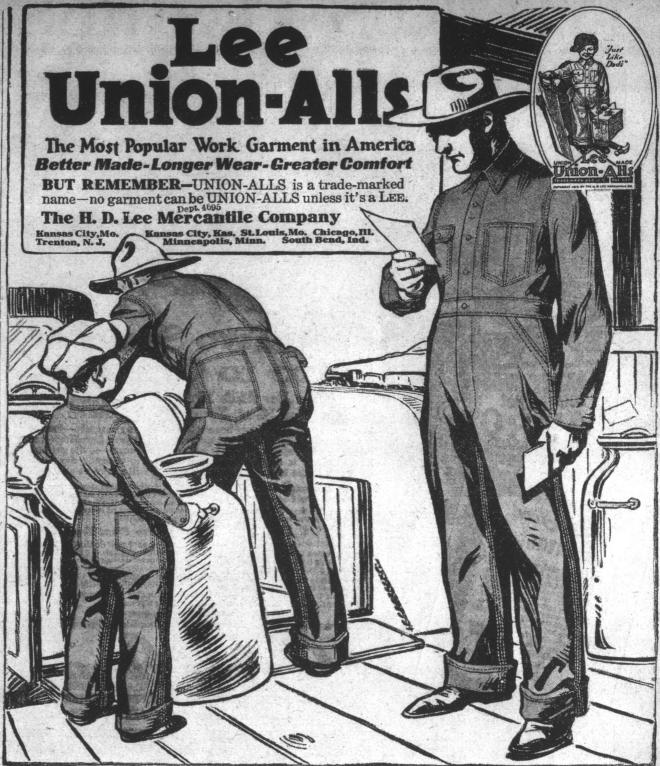
Professor E. S. Savage of the animal husbandry department of the college, has laid down a few simple rules which the feeder of all classes of live stock can well follow. First, the farmer should mix his own feed, rather than buying any of the various brands of ready-mixed feeds which are sold on the market. There are various reasons for this. Careful comparison of feed prices has shown that the farmer will save, on the average, at least eight or ten dollars per cow each year, if he mixes his feed at home. Furthermore, when the farmer buys a readymixed feed he is at a great disadvantage in not knowing what he is buying. The commercial feed manufacturers do not place a list of the ingredients in the mixtures on the bags, and too often the feeds are adulterated with cheap, indigestible grains. By mixing his own feed the dairyman knows the actual quality of the ration he is giving his cows, and he can adjust the amounts of grain per cow and the nutritive ratio according to the needs of the animals. The labor cost of mixing the grain at home is negligible, because one man can thoroughly mix a ton of grain in about forty-five minutes.

The second way of cutting down feed costs, which the farmer should ing the war, while we were feeding Europe, the carbohydrate feeds rose in price much faster, proportionally, than did the high protein feeds. Since the close of the war, however, the tendency has been the other way, and it is the protein feeds which are now costof feed prices by securing monthly price lists from his grain dealer or his county farm agent, and adjust his rations so that they will contain only the most economical feeds at any particular time. This does not mean that 31/2 yrs., butter 24.36, milk 536.20. the feeder should sacrifice the digestibility of the ration to the feeding of low-priced feeds, for this is not true Her sire 40 A. R. O. Daughters. economy. But he should feed more gluten to balance his ration, if this is Her dam Butter 30.41, milk 526.10. 2 A. R. O. Sons. cheaper than cottonseed meal, or vice versa, when the prices of these two grains are reversed. Under all circumstances, however, the nutritive ra tio should not be narrower than 1-4, which provides a minimum amount of protein.

The farmer can save considerable by paying for his grain in cash, when discounts are allowed by the local grain dealers for cash payments. When a three per cent discount is given, this E. A. HARDY, Rochester, Mich. will often amount to a large and important saving for the year.

Lastly, the farmer should grow as By a 30 lb. son of Lakeside King Segis Alban De Kol. His dam Glista Fenelle 22.37 lbs. Her dam Glista Erneuch of his grain at home as possible.

Under optimum conditions, fully fifty age over 30 lbs. of butter in seven days. Write for prices on his sons. per cent of the feed may be grown at home, and this is almost entirely pure c. G. Twiss, Mgr. Stock Farms Eaton Rapids. Mich. a good producer. Oscar Wallin, Unionsville, Mich.



feed costs, which the farmer should consider, is to provide a minimum amount of protein in the ration. Dur-

A 36 lb. Son of the Great King of the Pontiacs OFFERS FOR SALE:

the protein feeds which are now costly. The farmer should study the trend 2 Sons of Lillie Burke Segis King, 33 lbs. No. 1-Born Feb. 27th, 1920 No. 2-Born April 8th, 1919

Johanna DeKol Hartog of Sparta.

3 A. R.O. daughters, one $2\frac{1}{2}$ yr. Butter 25.11, milk 520.

Korndyke Fenecia DeKol Belle

4 yr. Butter 21.62, milk 475.30 Her sire a Grand Son of Pontiac, Korndyke.

Her dam, butter 22.81, milk 512.92 4 A. R. O. Daughters.

Herd Under Federal Supervision SEE THEM AT

HILLCREST FARM, Ortonville, Mich. butter in 7 days; average 2 nearest dams 37.61, 6 nearest 33.93, OR WRITE

John P. Hehl, 181 Griswold St., Detroit, Mich.

Holsteins of Quality

OUR HERD SIRE Model King Segis Glista

A Good Note accepted in payment of finely bred report of the best, and at prices within reach of all. Write GEO, D. CLARKE, Vassar, Mich

BULLY GOOD BULL CALF.

Born July 1919. His six nearest dams have good yearly records. Amongst them are three world's records Good individual, nicely marked, and worth in any good herd all he will cost. You can't pay too much for this kind. I have a fine four months buil, not quite so well bred but a nice one.

L. E. CONNELL Fayette, Ohio

From dams with good records.
BULL CALVES SIRED BY 45 lb. BULL.
BULL CALVES SIRED BY 34 lb. BULL.
BULL CALVES SIRED BY 33 lb. BULL.
PRICES VERY REASONABLE. Privelege of return if not satisfied.

A. W. COPLAND, Birmingham, Michigan. Herd under State and Federal Supervision.

(State and Federal Tested)

Ypsilanti, Michigan

Offers young sires, yearlings and younger, out of choice advanced registry dams and King Korndyke Artis Vale: Own dam 34.16 lbs. 20 nearest 27.83

Bazley Stock Farm YPSILANTI, MICH.

who would like a nicely marked Bull calf, whose Sire is a Son of King of the Pontiacts 266, A. R. O. Daughters and whose dam has just made over 20 lbs. of butter in 7 days and who is a grand-daughter of Homstead Girl De Kol Sarcastic Lad 107, A. R. O. Daughters. This young Bull's Dam is also a daughter of Woodcrest De Kol Lad 28, A. R. O. Daughters. Price \$125.00. Herd under State and Federal Supervision. Never had a reactor.

JOHN BAZLEY DETROIT, MICHIGAN.



The Traverse Herd 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.

TRAVERSE CITY STATE HOSPITAL Traverse City, Mich.

FOR SALE three Registered Holstein-Friesian fine cows, best of breeding, sired by a Pontiac Bull Will self-energy S. ROHLES, Akron, Mich.

For Sale: Registered Holstein Cattle, our herd sire born March 27, 1917, 8 cows, and 3 heifer calves. Write for records and particulars to the BLACK & WHITE FARM, Fremont, Mich.

HEREFORDS

20 Cows and Heifers of popular breeding for sale also bulls not related.

ALLEN BROS. -MICHIGAN PAW PAW,

HARWOOD HEREFORDS

A few young bulls from 10 to 18 months, well bred fine condition. Special price for the next thirty of No females for sale at present. Visitors welco Jay Harwood & Son, Ionia, Mich.

Herefords. Just purchased 3 new herds, now have 150 head; we offer you anything desired either sex, horned or polled, any age. Priced reasonable. THE McCARTYS, Bad Axe. Mich.

The Wildwood Farm

Jersey Cattle, Majesty strain, Herd on State accredited list, R. of M. testing constantly done. Bulls for male. ALVIN BALDEN. Phone 183-5, Capac. Mich.

McPherson Farms Co. and Cluny Stock Farm

FIRST ANNUAL SALE at Howell, Mich., June 8, 1920

Herds have been maintained for many years as strictly breeding herds, and the animals offered for sale are of our own breeding.

We are not selling out. We shall continue to develop what Holsteins we have left, and in this way will continue to boost for all of the buyers of the cattle offered in this sale. Our herds are under Federal Supervision, and all cattle over six months old will be tuberculin tested, and will be sold on a sixty-day guarantee.

Catalogue will be ready for distribution May 20th. !

S. T. WOOD, in the box. B. V. KELLY, Auctioneer,

For Catalog Write To

McPHERSON FARMS CO.

Howell, Mich.

R. BRUCE McPHERSON or Howell, Mich.

FOR SALE Jersey Bulls ready for service R. of ancestors. Raleigh-St. Lambert breeding. Jerseys stand for economy. Waterman & Waterman, Packard Rd, Ann Arbor, Mich.

For Sale Jersey bull calves of Majesty breeding from ment "Accredited List." Write for price and pedigree to C. A TAGGETT. R. 2. Fairgrove, Mich.

LILLIE Farmstead Jerseys—A few heifers bred to freshen soon, heifers bred to freshen next fall, 3 cows, R.of M.bull calves. C.C.Lillie, Coopersville, Mich

Bulls ready for service from our herd bull Marguerites Premier, gdson, of Pogis 99th of Hood Farm, and cows now on test for R. of M. Smith & Parker, Howell, Mich.

For Sale Registered Jersey Bulls from NOTTEN FARM, Grass Lake, Mich. M EADOW Hills Shorthorns, Herd headed by Silder King, full brother of Lavender Sultan Purdue University's great sire. For sale females of all ages, a few young bulls. Geo. D. Doster, Doster, Mich.

Shorthorn bull yearling, price \$70.00. Percheron stud three years old, price \$500. A Spanish Jack yearling, price \$200. E.J. Aldrich, Tekonsha, Mich Shorthorns Scotch and Scotch Topped, only a few left at old prices W. J. BELL. Rose City, Mich

BUTTER BRED JERSEY BULLS St. Joseph Valley Shorthorn Ass'n ha males of all ages and best breeding.

ARON HAGENBUCH, Sectoreas. Three Rivers, Mich

HOGS

Berkshires size with quality is our special-ty. Write your wants to M. G. MOSHER & SONS. Osseo, Mich.

Registered Berkshires, Gilts, and Sows bred for April May and June farrow. A yearling Boar and a few younger.Spring pigs. Chase Stock Farm, Marlette, Mich.

ARGE Berkshires. Ten years a breeder, Let u convince you that we have the kind you want. Cir Satisfaction guar. W. H. Every, Manchester, Mich

Duroc sows and gilts bred to Walts King 22949, at the State Fair in last 2 years than any other buroc boar. Everyone will be a money maker for the buyer. Cat. and price list.

NEWYON BARNHARI, St. Johns, Mich.

DUROC-JERSEYS A few extra good bred sows and gilts for sale. CAREY U. ELMONDS, Hastings, Mich.

gain. With the high price of protein feeds, the growing of alfalfa hay at home will reduce the feed bill greatly, since this has a higher protein content than most of the other hays, particularly timothy. Home-grown silage is probably second in importance to legume hay. The combination of good corn silage with alfalfa has no superior for economical milk production.

HOLDING TREATED OATS BEFORE PLANTING.

I have twenty-five bushels of oats which I treated according to directions for the dry method, spraying them for the dry method, spraying them with formaldehyde and water equal parts, using one-half a pint for the twenty-five bushels. What I want to know is, can I safely plant this grain which has now been held a week waiting for the weather to let me work? Ingham Co.

O. R.

The dry method for applying formaldehyde to grains is properly surrounded with safeguards because we have come to know that this chemical acts powerfully on grain, destroying the germination power in some instances.

The only instances of loss on the farm from holding treated seed which have come to my attention have been with wheat which is peculiarly sensitive. In the case of oats, since the grain is surrounded with a sort of protecting hull, I believe that the grain will stand the rather long wait. My attention was called last year to exactly this circumstance and on the basis of my laboratory tests I advised the farmer to sow the treated grain. This was done and the crop was as

satisfactory as any oats last year.

If germination test is possible it should certainly be tried before planting. If not, the chance with oats is not a large one. Of the thousands of farmers in Michigan who have used the dry treatment last year and the year preceding, I have yet to hear of a single case of injury to stand of oats which was due to treatment. I have known of cases where the treatment was applied many times the recommended strength and no bad results.

It is not a good thing for a farmer to experiment with his crop however. The safest place for any grain after it is treated is in the ground and I believe in planting immediately after the requisite covering period, four hours. With wheat this is imperative. With oats, the protecting coaf that nature has given allows more leeway.

The question also is asked, can the treated oats be used for feed? We have fed them to chickens without any bad effects and I have generally advised farmers to mix them in with other clean grains for horse feed and this has been done without injury to animals. The amount is comparatively small per bushel, and while formaldehyde has a bad effect on the digestive process in large doses, judiciously given seems to be without harmful re-G. H. C.

BLEMISHED BEAN SEEDS UNFIT FOR PLANTING.

What is the matter with the beans when the show chewed places which are yellowed? Are they safe for planting? A local man has called them and thracnosed and says they are poison. Huron Co.

Beans such as you describe are one of the puzzles now to bean experts. The trouble has all the appearance, of insect work, but no insect is known to do the depredation. The yellowing which accompanies the injury suggests bean blight and one suggestion as to the cause of the trouble is that bean blight attacking the young pod has caused the scar on the seed.

If the trouble is caused by insects it is certainly true that it is not an egg puncture as no insects can be bred out of the beans. If the trouble is bean DUROC JERSEYS

Bred Gilts for March and April farrow. Write at once for description or come and see them. Satisfaction guaranteed with everyorder. RUSH BROS. DAEWOOD FARM. Romeo, Mich. be caused by the germ while still working on the pod above the blemished bean. Any suggestion as to the cause, without further observation, is guesswork.

Specimens of the trouble have been found in nearly every sample of beans examined from certain sections in Michigan, and samples have been received from Idaho and other western regions. Fortunately the percentage of such blemished beans is low, and has not been seen to increase measurably the last two or three years since the trouble was first noted.

Such beans fall into the same class as the mechanically injured beans and as such are fit for food but hardly up to the highest standard of quality. It, would be well to reject them in picking beans for seed purposes, because the Michigan farmer can not afford to plant any beans which are not clear and bright and free from blemish. Beans so picked give perfect stands. I would fear that the blemished beans would rot in the ground if the season at all favorable for quick were sprouting.

The trouble is certainly not anthracnose and no worry about the poisonous quality need be felt.

WASHTENAW HOLSTEINS SELL WELL.

FAIR weather and a small, but enthusiastic crowd greeted the Washtenaw Consignment Sale of Holstein-Friesian cattle, held at Ypsilanti, Saturday, May 1. While some of the animals sold at comparatively low prices, others that were in good condition and had credible records brought good prices. Altogether the sale was a successful the. The individuality and breeding of the animals in the sales ring indicates that Washtenaw county breeders have the quality needed to attract buyers from other localities. That some of them should do more testing is evidenced by the prices their cattle sold for. Here are the sales running above \$250:

Consigned by Shady Knoll Farms, Ypsilanti.

Consigned by Shady Knoll Farms,
Ypsilanti.

Creamella Eagle Bay Glista 231602, sold for \$310; Coronia Hengerveld Cornucopia 151536, \$310; Violet Chornita Mercedes 175006, \$305; Canary Fayne Hengerveld 208021, \$325; Rag Apple Segis Calamity 466299, \$300; Calf, born December 12, 1918, sire 217984, dam 127458, \$355; Bernardo Clotholde Rachel 5th 190089, \$400; Superior Bernardo Segis 281991, \$400; Lady Boon Jewel Pride 93582, \$250, and her calf at \$210; Lady Boon Jewel Fayne 446319, \$800; Oceola Jewel Fayne 446318, \$850; Valley Jewel Banostine 518014, \$400; Prilly Ondine De Kol Lady, \$270, calf sold for \$155; calf born February 13, 1920, sire 170-506, dam 140274, \$500; Elgin woodcrest 272277, \$255; idlewild Fearless Mercedes 212194, \$270.

Consigned by John C. Stellwagen, Belleville.

Emily Winona Calamity 189397, \$500; Huron Hill Pontiac Winona 518-393, \$305; Huron Hill Pontiac Korndyke 518396, \$255; Korndyke Barnum Mechthilde 218159, \$500.

Consigned by Harvey S. Day Willis. Pietertje Butter Girl De Kol, \$400. Consigned by H. J. Carpenter, \$400. Consigned by H

Consigned by Elmer D. Riggs, Belle-

Canary Fayne Hengerveld 2nd 336-690, \$250; Lady Boon Butter Boy 266-318, \$275.

Consigned by Charles Freeman,
Denton.
Stoneacres Pontiac Hilton 320324,
\$250; Ypsiland Pontiac Hilton 473132,

Consigned by H. A. Smith & Son, Wixom. Rosie Mercedes Butter Boy 210351,

\$975, calf \$325. Consigned by William Austin, Saline. Bersheba Netherland Lass 197161,

Head of Hol-

-Will be Sola-

At the SIXTH ANNUAL SALE of

The Livingston County Holstein Breeders Sale Co.

Howell, Mich., May 27th, 1920

Sale Commencing at 12 o'clock Sharp

This sale consists of a fine lot of cattle many of them with A. R. O. records or are from record dams. One daughter of a 33 lb. cow, one from 31 lb. cow, and one from a 30 lb. cow. Some choice bulls will be offered, from dams with records from 22 lb. to 29 lbs.

DO NOT MISS THIS CHANCE

Catalogues Ready May 10th

P. M. TAFT, Sec.

OAK GROVE, MICH.

R. R. 1.

Absolute Dispersal Sale

of the Entire Herd of

65 Registered Guernseys

Property of Avondale Stock Farms, Wayne, Mich., Dr. R. J. Palmer, Owner

Saturday, May 22, 1920

Other business is the cause of the dispersal and buyers can be assured of an excellent opportunity to secure high class animals. The best of breeding and type will be found in the herd and interested purchasers cannot afford to miss this sale. Herd is on the State and Federal accredited

Auctioneers: Love and Benjamin

list. Whoever buys from this herd buys free of disease.

F. E. FOX, SALES MGR. Waukesha, Wisconsin

THE FAMOUS

We have the undefeated Herd of the World.

Winning premier breeder and exhibitor at every fair shown in 1919-1918-1917, includthe following state fairs—Ohio, Michigan, Indiana, Illinois, Missouri, Kentucky,
Tennessee, Oklahoma, New York, Alabama, Tri-state fair Memphis, and the National O.I.C. twice. Stock of all ages for sale. Registered free in the O.I.C. association.
Order now. We will ship any of our stock on approval allow you to keep three days before you have to pay for it. You will be your own judge on your own farm. own farm.

CRANDELL'S PRIZE HOGS.

Cass City, Mich.

C. SOWS FOR SALE

One of the Best He ds in Michigan
Spring gilts and fall yearlings bred for March, April and May litters. I ship
C. O. D., pay express and register in buyer's name. If you want a BIG
TYPE sow, guaranteed right in every way, write me.
J. CARL JEWETT, R. 5, Mason, Michigan.

CATTLE

Royal Bruce 785321 heads our herd. Three half brothers sold for \$55,000.00 one Oluny Proud Augusta going to head Wm. Duthies of collyne's herd at \$21,000.00. One bull and a number of females for sale.

OARB BROS. & CO.

Norman Carr, Scoretary.

For Sale Shorthorns of Quality Seetch and Scotch Topped descendents of Archem Hope, Avondae, Max waiton Sulton and White Hall Sulton, Model Type, by the Oscola Co. Shorthorn Bryeders Ass. John Schmidt, Sec. Reed City, Mich.

Central Mich. Shorthorn Breeders Asso. offe 40 bulls, 38 females, write for new list OSCAR SKINNER, Sec. Gowen, Mich

SHORTHORNS

a bull that will put weights on your dairy calves— the difference will soon pay for the bull. Now selling good Scotch and Scotch-topped yearlings, reasonably priced. A roan, senior yearling, a Missie of Villager breeding, a herd bull prospect, Federal Test.

BIDWELL STOCK FARM, Tecumseh, Michigan

Richland Stock Farms

Home of the Michigan Champions. Shorthorn Sires in Service:

IMP. Lorne, IMP. Newton Champion, Sterling Supseme. Why not buy a young bull to head your herd that carries the blood that is making Shorthorn History. Only a few real headers left. Write your wants.

C. H. PRESCOTT & SONS. Tawas City. Mich.

The Kent Co. Shorthorn Assn. have males and females of quality for sale. L. H. LEONARD, Sec., Caledonia, Mich.

CHAS, WARNER Jr. Breeder of Registered Short-horns. No stock for sale at present. Chas. Warner Jr., Imlay City, Michigan Milking SHORTHORNS. Clay bred bull calves Herds under Federal Supervision. Davidson & Hall, Beand & Beland, Tecumseh, Mich

Shorthorns Good Scotch bred bulls, cows and heifers priced right,
W. B. McQUILLAN, R. 7, Howell, Mich.

HOGS

Michigana Farm Durocs

We breed and sell good hogs.

O. F. FOSTER, Mgr. - Pavilion, Michigan

DUROC JERSEYS. Spring pigs delivery, \$10.00 each. LAKE SIDE STOCK FRUIT FARM, Pinekney, Michigan.

ROYAL BRED DUROC GILTS Dams sired by Michigan Cherry Col. Bred to Jack: Cherry Orion King, No. 189259, Son of the \$10,000, champ-ion, Jacks Orion King 2nd, all high class stock, write for prices. The Jennings Farms, B.1. Bailey, Mich

DUROC JERSEYS
Bred gilts all sold. Get in your orders early for
March and April pigs. Either sex or pairs not akin.
F. J. DRODT, Monroe, Mich. R. I.

DUROC JER SEYS E. D. HEYDENBERK, Wayland, Mich.

Duroc bred sows and gilts sired by Orion Cherry King Col. 2nd., bred to All Col. of Sangamo 2nd First class lot, reasonable. W.C. Taylor, Milan, Mich.

DUROCS for Sale Bred sows and fall pigs of both sex and a car of grade draft colts.

CHAS BRAY, Okemos, Michigan.

Duroc Jersey Boars Let us fill your order for a herd boar sired by Orione Fancy King, also one year ling and a few fall boars by E. D's. Defender Col. FREY BOS, Galedonia, Mich.

Duroc Jersey fall and spring pigs for sale. We sell you only the best, ship C. O. D. subject to your approval. Register in buyers name and guarantee satisfaction W. E. BARTLEY, Alma, Michigan

FOR SALE Chester Whites. Two, long, boars of the big type some fine gilts and a few spring pigs. HERBERT WELLWOOD, Marlette, Mich.

CHESTERS, spring pigs in pairs or trios from strictly big type mature stook. A few gilts b red for May farrow. F. W. ALEXANDER, Vassar, Mich.



HAVE started thousands of breeders on the road to success, I can help you. I want to place one hog from remained in every compunity where I am not already repeated by these fine early developers—ready for market at significant old, Write for my vlan—"More Money from Hegs."

5. BENSAMIN, R.F. D. 16, Portland, Michigan

O. I. C. and Chester White Swine

Strictly Big Type with quality. Spring pigs of March and April farrow. A choice lot of boars. Will only spare a few more glits at present. Will ship C. O. D. and record them free.

Maylette, Mich. R. No. 1.

O. I. C. and Chester White Swine booking orders for spring pigs from big type blood lines. Fall pigs with size and quality. I ship C. O. D. and register in buyer's name. John C. Wilk, Alma, Mich.

O. I. C.'s. 2 extra choice last spring gilts. Il last ever had. Farm 4 mile west of Dopol. Citizens. Phone 124. OTTO B. SCHULZE, Nashvidle, Mich.

O. I. C's Am offering a few September pigs that combine size and quality.
O. J. THOMPSON. Rockford, Mich.

O. I. C's A few choice late fall and winter WEBER BROS., R. No. 2. Royal Oak, Mich.

O. I. C's. Big type serviceable boars. Gilt. G. P. ANDREWS, DANSVILLE, MICHIGAN

O.I.C. Gilts bred for March and April farrow, guaranteed tasks with pigs. Fall pigs and a few service boars, Herd immuned by D. T., F. C. Burgess, R. 3, Mason, Mich.

O. I. C's Eight young boars and spring pigs of June shipment.
CLOVER LEAF STOCK FARM, Monroe, Mich.

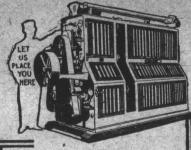
L.S.P.C.

One 400 lb. sow and 7 pigs by side, price \$100.00. One 275 lb. gilt and 6 pigs by side, price \$85.00. Two choice boars. H. O. SWARTZ, Schoolcraft, Mich.

Big Type Poland Chinas

Our herd is representative of the best in Big Type. The \$40,000,00 "The Yankee", the \$50,000,00 "The Clansman" and the priceless "Giant Buster" are all represented. We aim to keep up-to-date blood lines and only quality stuff. Come over and see us. PUBLIC SALE OUT. 78th. WESLEY HILE, R. 6, Ionia. Mich.

Additional Stock Ads on Page 795



You Can Make \$500 to \$1000 a Month Milling "Flavo" FLour

in your community on this New Wonderful Mill — no previous milling experience necessary

Be a Miller

Be a Miller

and have a dignified, permanent business that will earn you steady profits the entire year.

Grind your home-grown wheat, supply your community with flour and feed. You save the freight on the wheat going out, and the flour and feed coming in.

Besides earning the regular milling profits you get the extra profit of making "A BETTER BARREL OF FLOUR CHEAPER" on the famous "MIDGET MARVEL,." The new process, self-contained, one-man, roller flour mill that is revolutionizing the milling industry. It requires less than half the power and labor of the usual roller mill and makes a creamy white, better flavored flour that retains the health building vitamines and the natural sweet flavor of the wheat.

Our customers are given the privilege of using our Nationally advertised Brand.

FLavo" FLour

"Famous for its Flavor"

We furnish the sacks with your name printed on them. OUR SER-VICE DEPARTMENT examines samples of your flour every thirty days and keeps your products up to our high "Flavo" standard. We start you in business with our "Confidential selling Plans" and teach you the business of milling and selling flour. You can start in this most delightfully profitable business, with our 15 barrels per day, mill with as little as \$3,500 capital. Other sizes up to 100 barrels.

Over 2000 communities already have Midget Marvel Mills. Start now milling "Flavo'Flourin your own community before some one else takes advantage of this wonderful opportunity.

Write today for our Free Book, "The Story of a



Write today for our Free Book, "The Story of a
Wonderful Flour Mill."

The Anglo-American Mill Co. 814-820 Trust Bldg., Owensboro, Ky



BARGAINS IN SECOND HAND AND REBUILT MACHINERY

H. P. I H C Portable Gasoline Engine

One 12...
One 8-16 Mogul Tractor
One No. 4 Geiser Grain Separator. Feeder, Weigher
and Stacker
One 28-84 Racine Separator, Feeder, Weigher and
Stacker One 28-44 Owen Bean Thresher
If interested write for prices and full description,
Colby & Spitler Co., Hart, Michigan

Salvage Cull Beans

Price \$40.00 ton, delivered Michigan, Ohio, Indiana and Illinois points.

These beans have been dried. Same have splendid feed value—21% protein.

This is the cheapest offering of feed in the U.S. A. Rush your order.

PORT HURON STORAGE & BEAN CO.

SPECIAL NOTICE

Ship your Eggs, Live and Dressed Poultry Dressed Calves, Pork, Lambs, & etc, to

DENNIS & HERRING NEW YORK CITY, N. Y.

Bonded Commission Merchants. This old re-N. Y. City for securing Highest Prices and their

TRY THEM, RESULTS WILL PLEASE YOU Michigan \$5.00 per land 4 F Oranton Vascar Michigan

Latest Market Reports

WHEAT

The government crop report indicates a winter wheat crop of 485,000,000 bushels compared with an estimade a year ago of 900,000,000 bushels. Canadian wheat board advances price 35@40c. As a result the wheat market is very strong, with prices showing a further advance on the local ing a further advance on the local market as follows: No. 1 red \$3; No. 1 mixed \$2.98; No. 1 white \$2.98; No. 2 red \$2.97; No. 3 red \$2.94.

CORN

tions, which in Detroit are as follows: Cash No. 3 corn \$2; No. 3 yellow \$2.05; No. 4 yellow \$2; No. 5 yellow \$1.96; No. 6 yellow \$1.93.

OATS

Small offerings, a good demand and the factors operating in the other grains forced oat values on the local market up to the following: Cash No. 2 white \$1.28; No. 3 white \$1.27; No. 4 white \$1.26.

POTATOES

High values have discouraged the consumption of potatoes and while the receipts have been small, prices have sagged. Michigan stock is jobbing at Detroit around \$11 per 150-lb. sack.

RYE

Rye values have moved up with the prices for other grains and on the local market cash No. 2 is now quoted at \$2.23 per bushel.

BEANS

There is some indication of improvement in the bean situation although from market reports it is difficult to ascribe the cause of this to any other than an attempt on the part of dealers to encourage a more generous planting of the crop by farmers. It may be, of course, that the slightly higher prices for other foodstuffs has reacted here. On the local market there is very little trading with the quotation unchanged at \$7.75 per cwt. for immediate and prompt shipment. New York's bean market is quiet and steady at \$8 for choice pea beans and \$7.50 at \$8 for choice pea beans and \$7.50 for choice mediums. The Chicago trade reports large offerings and a moderate demand with choice to fancy handpicked pea beans at \$7.25@7.75, and red kidneys at \$13@13.50.

FEEDS

Further advances were made and prices now are: Bran \$58; standard middlings \$59@60; fine middlings \$60@62; coarse cornmeal \$79; cracked corn \$85; chopped feed \$70@72 per ton in 100-pound sacks.

This market is somewhat quiet, following the recent disturbance due to transportation difficulties. In Detroit

For Best Net Results Ship to

CULOTTA & JULL Detroit, Mich.

Use **Swift-HAY Service**

You can BUY all types of FEEDING HAY from and SHIP your surplus to

Swift-HAYnes Co., BOARD OF TRADE, CHICAGO

Mr. POULTRY FARMER:

We make a specialty of White Hennery Eggs and have created a profitable market for your eggs the year around. We pay the highest premium for your Hennery Whites—We remit same day shipments arrive. Ship Often—Ship by Express

GEO. R. ELDRIDGE CO.
494-18th Street, Detroit, Mich.
er! We guarantee you satisfaction with every shi

Holmes, Stuwe Co., 445 Riopelle St.

Ship to The Old Reliable House Daniel Mc Caff ey's Sons, 623-625 Wabash Bldg. Pittsburg. Pa.

EGGS

On the local market consumers and On the local market consumers and packers are buying eggs freely and all receipts are quickly absorbed. Detroit jobers are bidding 44c for No. 1 fresh, while 44½c is being asked. Business in Chicago is only fair, and buyers are more or less indifferent, with fresh first northerns at 42@42½c. The New York market maintains a firm tone, with the best northern produced eggs at 46@461/2c.

CHEESE

Sharp advances in corn prices featured the past week's trading. Higher wheat prices, the absorption of available supplies and rumored embargoes on the Argentine surplus were the important factors in advancing quotations, which in Detroit are as follows:

In Chicago the warmer weather, together with increased production and an accumulation in storage houses eased off prices to stimulate purchases. The New York market, however, is firm, with receipts light and the demand, somewhat stimulated by the free purchasing on expert account. purchasing on export account.

the butter board reports No. 1 creaming sections featured the wool market ery offered at 59½e. In Philadelphia the past week. While the main interthe markets in this edition were rethe market is firm with western creamest has centered in the far western ery extra jobbing at 63c. New York states, some Indiana fleeces have been trade is somewhat steady but dealers moved at around 50c for the quarter-bloods, and three-eighths bloods at about 60c. Shearing in Michigan and Chio has been delayed by cold weathest has centered in the far western states, some Indiana fleeces have been moved at around 50c for the quarter-bloods, and three-eighths bloods at about 60c. Shearing in Michigan and Ohio has been delayed by cold weather and frequent rains, and no sales of importance have been reported in eastern centers. The Michigan State Farm Bureau reports a very generous arrival of wools from various producing counties. Late last week about 40,000 pounds had already accumulated in the warehouse at 221 North Cedar Street, Lansing. Lansing.

GRAND RAPIDS

There was an advance of ten cents per bushel in paying price of wheat by milers this week. Prices now are: No. 1 red \$2.85; No. 1 white \$2.83. Egg market is a little lower at 40c per dozen bid Dealers report receipts liberal and three cars were shipped this week. Farmers are bringing a small quantity of potatoes to market, selling at \$40 per bushel. Some farm seeds are ring, with receipts light and the dehand, somewhat stimulated by the free
hard, some farm seeds are
cheaper, clover being off \$3 per bushel.
The retail price is as follows: Medium
clover \$33 per bushel; Mammoth \$34;
alsike \$35; timothy \$6.75; alfalfa \$30;
sweet clover \$25. The first of incubator chicks were brought to market
this week, selling at \$20 each. The
visible supply of beans, dealers state,
is only sufficient for seeding if acreage
is to equal that of last season.

Live Stock Market Service

last week's close, especially
heavy cattle.
Best heavy steers\$12.00@12.50
Best handy wt bu steers. 11.50@12.00
Mixed steers and heifers 10.50@11.00
Handy light butchers ... 10.00@12.00
Light butchers ... 9.00@ 9.75
Best cows ... 9.00@10.00
Butcher cows ... 7.50@ 8.75
Canners ... 6.00
5.00@ 5.75

BUFFALO Cattle.

Receipts 100 cars; light grades 50c higher; heavy grades are slow; prime shipping steers \$13.50@14; best shipping steers \$12@12.50; medium shipping steers \$11@11.50; Canadian heavy steers \$12@12.50; Canadian steers and heifers \$11@11.50; best native yearlings 950 to 1000 lbs \$12@12.50; light native yearlings, good quality \$10.50@11.50; best handy steers \$11@12; fair to good kind \$10@10.50; western heifers \$10.50@11; state heifers \$9.50@10.50; best fat cows \$10.50@11; butchering cows \$8@9; cutters \$6@6.50; canners \$4@5; fancy bulls \$9.50@10; butchering bulls \$8@8.50; common bulls \$7@8; best feeders 900 to 1000 lbs \$9@10; medium feeders \$8@9; stockers \$8@8.50; light to common at \$6.50@7.50; best milkers and springers \$75@100; mediums \$50@60. Receipts 100 cars; light grades 50c

CHICAGO

Hogs.

Estimated receipts today are 42,000; holdover 3,570. Market 10@25c higher. Bulk of sales \$14@15.40; tops \$15.60; heavy 250 lbs up, medium, good and choice \$13.75@15; medium 200 to 250

DETROIT

Cattle.

Receipts 195. Market very dull at last week's close, especially so on the heavy cattle.

Best heavy steers\$12.00@12.50
Best handy wt bu steers...11.50@12.00

Mixed steers and heifers 10.50@11.00

Handy light butchers 10.00@12.00

Handy light butchers 10.00@12.00

\$\frac{16.40; \text{ light 150 to 200 1bs, common, medium, good and choice at \$14.65} \text{ @15.10@} \text{ medium, good and choice at \$15.10@} \text{ \$15.10@} \text{ medium, good and choice at \$15.10@} \text{ \$15.10@} \text{ medium, good and choice at \$15.50; \text{ light 150 to 200 1bs common, medium, good and choice \$14.85} \text{ @15.35; heavy packing sows 250 1bs up smooth \$12.50@13.25; packing sows 250 1bs up rough \$12.25@12.75; pigs Mixed steers and heifers 10.50@11.00

Handy light butchers 10.00@12.00

\$13.50@15. \$13.50@15.

d Light butchers ... 9.00@12.00
n Butcher cows ... 9.00@10.00
n Butcher cows ... 9.00@10.00
w Cutters ... 6.00
w Cutters ... 5.00@ 5.75
w Cutters ... 5.00@ 5.75
best heavy bulls ... 9.50@10.00
n Bologna bulls ... 8.00@ 8.50
e Stock bulls ... 8.00@ 8.50
life to Yeal Calves.

Receipts 90. Market strong on account of light receipts; will go lower before the end of the week.
Best ... \$17.00@19.00
lothers ... \$17.00@19.00
lothers ... \$17.00@19.00
lothers ... \$17.00@19.00
lothers ... \$10.00@14.00
lothers ... \$15.00@15.35
lothers ... \$15.25
lother cattle and calves about steady.
Beef steers medium and heavy weight 1100 lbs up, choice and prime \$13.15@
13.80; do medium and good \$11.35@
13.80; do medium and good \$11.35@
13.80; do medium and good \$11.35@
13.25@13.75; do common \$10.50@11.50; light weight 1100 lbs down, good and choice \$12.25@13.75; do common, medium, good and choice at \$7.75@11.75; bulls bologna and beef \$7.75@11.75; bulls bologna and choice at \$7.75@11.75; bulls bologna and beef \$7.75@11.75; bulls bologna and heavy bologna and choice \$1.25@12.25\$ butcher cattle, heifers, common, medium, good and choice \$1.25@12.25\$ butcher cattle, heifers, common, medium, good and choice \$1.25@12.25\$ butcher cattle, heifers, common, medium, good and choice \$1.25@12.25\$ butcher cattle, heifers, common, medium, good and choice \$1.25@12.25\$ butcher cattle, heifers, common, medium, good and choice \$1.25@13.75; do common, medium, good and choice \$1.25@12.25\$ butcher cattle, heifers, common, medium, good and choice \$1.25@12.25\$ butc

Estimated receipts today are 6,000. Market 25c higher; shorn stock quoted as follows: Lambs 84 lbs down, medium, good, choice and prime \$17@19.40; do culls and common at \$11.75@16.50; spring lambs medium good choice spring lambs, medium, good, choice and prime \$13.50@16.75; ewes medium, good and choice \$9.50@12.50; ewes cull and common at \$4.50@9; yearling wethers, medium, good and choice at \$12@14.50.

LIVE STOCK SHIPPING IN MICHI-GAN BECOMES NORMAL.

THE following order was issued to railroads and became effective last bulls \$7@8; best feeders 900 to 1000 lbs \$9@10; medium feeders \$8@9; Central points on Saturday, the eighth stockers \$8@8.50; light to common at \$6.50@7.50; best milkers and springers \$75@100; mediums \$50@60.

Receipts 60 cars; steady; heavy \$15 @15.25; yorkers \$16.25; pigs \$16.50.

Sheep and Lambs.

Receipts 20 cars; steady; top lambs \$19@19.25; yearlings \$15@16.50; wethers \$14.50@15; ewes \$13@13.50; calves \$5@15.75. Saturday: Arrivals of stock will revert back to normal conditions, that

Guernseys, May 22, Dr. R. J. Palmer, Wayne, Michigan. Holstein, May 27, Livingston County Holstein Breeders' Sale Co., Howell, Michigan.

Holstein, June 8, McPherson Farms, Howell, Michigan.

CONGRESS AND FOOD PROTEC. TION.

(Continued from page 770).

crease their revenues to this standard of earnings. If the Interstate Commerce Commision grants the demands presented by the railroads this sum will be realized through increased freight charges, leaving the passenger rates at the present level. The advances in freight rates proposed by the railroad executives are as follows: Eastern roads, 30.3 per cent; southern roads, 30.9 per cent, and western roads 23.3 per cent. This increase, which undoubtedly will be made and may be necessary, will give another boost to the cost of farm machinery, fertilizers, stock feeds, and all supplies used by the farmers. It will add considerably to the already large margin between the price received by the producer and that paid by the consumer. It means that the consumer will have to pay more for his food or the farmer receive less for his products.

Hold Up Farm Loans.

At a meeting of land bank presidents called by Commissioner Lobdell of the Farm Loan Board, to discuss the situation growing out of the action of the supreme court in ordering a rehearing of the suit to test the constitutionality of the Farm Loan Act, the fact developed that more than fify million dollars have been held up by the litigation. A large number of the applications for government aid had reached the stage where only final approval was needed to complete the transactions when it became necessary for the farm loan banks to suspend loaning operations.

The situation confronting the loan banks and local associations was said to be "exceedingly regrettable" but according to Mr. Lobdell the board's hands are tied. It was also agreed that expansion of the farming industry was daily being retarded through inability of the banks to make further loans to the farmers.

While the land banks are compelled to follow the system of "watchful waiting" until there is a rehearing of the suit to test the constitutionality of the act under which the banks operate, it was stated that thousands of farmers had abandoned their plans for the extension of crop production. If there is a serious food shortage next fall the interests that are fighting the federal farm loan system will be in part responsible for it.

As a means of meeting the financial needs of the farmers, Representative Ferris, of Oklahoma, has introduced a bill in the house authorizing the secretary of the treasury to purchase, during 1920 and 1921, farm loan bonds amounting to \$100,000,000.-E. E. R.

Veterinary.

CONDUCTED BY DR. W. C. FAIR.

Bunch in Teat-Lame Sow .- One of my cows has bunch in teat and for the past three weeks I have applied iodine and lard three times a week, but the bunch is still there. I also have a sow nine months old that is stiff in forenine months old that is stiff in fore-quarters. R. B., Mason, Mich.—Con-tinue to apply the iodine ointment to teat. Perhaps it will be necessary to have bunch cut out. Feed sow less corn, more oats, oil meal, clover, alfal-fa and some roots. Has she had plen-ty of exercise? Keep her in a dry, comfortable place.

Bone Spavin.—I have a twelve-year-old mare which is getting a little lump on the inside of hock joint. I first no-ticed it last spring, it has gradually enlarged and is now causing lameness. I am told it is bone spavin. How shall

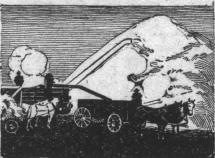
enlarged and is now causing lameness. I am told it is bone spavin. How shall I treat it? H. H., Waucedah, Mich.—Clip off hair and apply one part red iodide of mercury and four parts lard every two weeks. He should be given rest, but if not don't drive faster than

AMERICAN SEPARATOR CO. Box 6063 Bainbridge, N. Y. 187 For Sale Cheap Aquantity of first-class stanch stance space company. La Crosse, Wis

ont Senda Cer

Pay only \$435 Men's Durable Work Shoe on ar-Made in dark brown on U.S. Army cot able Munson Last, of solid leather, spe treated to stand hard worar. Blueher Duet-proof bellows tongue, Reinforced si Nu Krome elkskin uppers (not split i, cially tanned, making them acid and map proof. Solid leather broad heels, Krome Leather Soles, special tannage makes th twice as durable. (Will outwear tw oak leather soles), Wildts: Medius Wild and Extra Wide. Sizes 5 to 12. Pay rival Rush Coupon Sign and We Pay Postage 5th Ave. Bargain House Dept. 617, New York, N.Y. Send shoes advertised at once. I will pay postman \$4.35 on arrival. If not satisfied I will return shoes and you will return

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"Save Your Thresh Bill" From the Stack

You will save enough of your time and grain from the straw stack to pay your thresh bill, when you hire the thresherman with a

This is the thresher with the famous "Man Behind the Gun"—the device that beats out the grain instead of walting for it to drop out.

Saves the grain that others must let go through the machine. The result of years of study and experience in building threshing machinery exclusively.

I. S. Baker and 15 others of Holton, Ind., say:

"The Red River Special is surely a friend of
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Wait for the man with the Red River Special and save your grain this year.

If you want a thresher for your own use, ask about "Junior" Red River Special.
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Builders Exclusively of Red River Special Threshers, Wind Stackers, Feeders, Steam and Oil-Gas Traction Engines,

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If you want a catch of Alfalfa, Clover, Time thy use a car of my hardwoo ashes. George Stevens, Peterborough, Ont., Canada

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Direct from the World's Largest Incubato THREE MILLION FOR 1920. We have chicks hatching every day in the week and every hour in the day

Inmediate delivery on the following breeds.

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S. C. White Leghorns 17.00 82.50 160.00
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Write today for catalog, free. Mail your order now for prompt delivery. THE SMITH STANDARD COMPANY,

LOOK! CHICKS \$15 A 100 UP! By insured parcel post, postage paid. 40 breeds chicks, 4 breeds ducks. Get May and June chicks for December layers, Catalog free, stamps appreciated. NABOB HATCHERIES, GAMBIER, OHIO

AGAIN RHODE ISLAND WHITES laying contest, we have the world's best strain "Thorewood" R. O. Rhode Island Whites eggs for sale from selected mating 15 eggs \$2.00 all over one setting, \$1.75. DEFOREST PEET, Alto, Mich.

R.C. Brown Leghorns eggs \$1.50 for 15, \$8 per 100. White Pekin duck eggs \$1.50 for White Chinese goose eggs 40 cents each.

MRS. CLAUDIA BETTS, Hillsdale, Mich.

Rhode Island Reds for sale. Eggs 101 BURT SISSON, Imlay City, Mich.

Rhode Island Reds Eggs for hatching from vigorous birds \$1.50 per 15 or \$8 per 100 MRS. R. S. EDDY, R. 2, Cassopolis, Mich.

Single Comb Rhode Island Red Eggs for Hatching. Finest matings, well bred winter layers. \$3.00 per setting; \$8 per 100. Investigate.
Babcock and Son, R. D. 6, Battle Creek, Mich.

S. C. Brown Leghorns Excellent layers. Farm for range. Eggs postpaid. I5, \$1,50; 30, \$3; 45, \$4; 100 \$8. Floyd Robertson R. I. Lexington, Indiana.

8. C. Black Minorcas exhibition stock Northrup strain Eggs for Hatching 33.00 for 13—\$12.00 per 100 Cass Poultry Yard. C. J. Deedrick, Vassar, Mich

3.C. Brown Leghorns Purebred. Farm range eggs 15 \$1.60 postpaid. 100 express \$8. HARLEY L. FRY. North Adams, Mich.

S. C. W. Orpington and white guinea eggs \$1.75 O. ARNOLD, Coleman, Mich.

S.C. White Leghorn \$5.00 and \$7.50 each. Hatching eggs \$2.00 per 15 prepaid. A. Stegenga, Portland, Mich.

White Leghorns, Brown Leghorns, Ancona chicks \$17 per 100. Live arrival guaranteed. Eggs of all varieties. Catalog free. Triangle, Clinton, No.

WHITE WYANDOTTES, free range farm flock improved by 16 years careful selection. Is eggs 2.50, 20 4.50; 50 or more. 10 each by mail prepaid. Cockers 3.50, 2 for \$6. Vern A. oore R. 1 Hartford, Mich. White Wyandottes: Eggs for hatching from selected layers. \$2.00 per 15, prepaid, 1 male 10 females, \$40.00. Frank De Long R. 3 Three Rivers, Mich.

White Plymoth Rocks Choice bree ding, Eggs 15, \$2.00: chicks, 100, \$20. Richard M. Gretton, Mason, Mich.

Ten Eggs for \$3.75 from pure Toulose geese Parcel post paid. MRS. AMY SOUTHWORTH. Allen, Mich.

HOGS

LOOK B. T. P. C. We are selling at a great sacrifice
I for the next 10 days extra good gilts to farrow in
Apr. choice fall pigs to make room for our herd sows
W. BREWBAKER & SONS,
Elsie, Mich.

MILLER Meadow's L. T. P. C, boars all sold. Gilts M sired by General Jones and bred to our young bear Alaska, address CLYDE WEAVER, Ceresco, Mich.

BOARS! Oh Boys!

Sons and grandsons of the Mighty Giant Buster. The big boned useful kind. Priced for a quick sale. JNO. C. BUTLER, Bell Phone, Portland, Mich.

Big Bob Mastodon pigs takes the cake, book your order now. Fall boars and gilts sired by a grandson of Disher Giant, open or bred to Big Bob for Sept. 23 yearling sons. C. E.GABNANT, Eaton Rapids, Mich

Big Type Poland Chinas with quality, at reof both sex, and bred sows and gilts.
G. A. BAUMGARDNER, R.Z. Middleville, Mich

For Sale Big Type Poland China Gilts bred for ing 225 lbs, full August and September farrow, weighing 225 lbs, for \$60, also spring pigs \$20 each, guaratee satisfaction. DORUS HOVER, Akron, Mich.

Big Type P. C. Bred gilts, Fall yearlings, prize win-ners, out 1100 lb. sire and mammoth sows from Iowa's greatest herds. E.J. Mathewson, Burr Oak, Mich.

Big Type Polands all sold out. Watch this ad for further announcements. Breeding stock for sale in season. L. L. CHAMBERLAIN, Marcellus, Mich.

LEONARD'S B. T. P. C. bred sows all sold. Order booked for bo ar pigs at weaning time from Mich Champion Herd. E. R. Leonard, R. 3, St. Louis, Mich

I am offering Large Type Poland China Sows, bred to F's Orange, at reasonable prices; also fall pigs, Write or call Clyde Fisher, St. Louis, Mich. R.R.3.

6 th ANNUAL P. C. Bred Sow Sale March 13, 1920, For particulars write W. J. HAGELSHAW, Augusta, Mich.

Large Type Poland China Stock Hogs and Bred E. H. EISELE, B. 2, Manchester, Mich

"Lindhurst" Poland Chinas Mammoth Ben's Chief No. 352157 heads our herd.
Sows by Mammoth Ben, Upsome Lad, Joe Mastodon,
Gertsdale Jones, and Capt. Price. Pigs by Mammoth
Ben's Chief, Mountain Jack, and Orange Model. For
sale full boars and gitts sired by a son of Bower's Mammoth Joe. A few herd sows priced to sell. Get in
line for spring boars.

WM. H. LIND. Citz. Phone, Alto, Mich.

B. T. P. C. All sold out except some Fall JOHN D. WILEY Schooleraft, Mich.

LARGE TYPE P.C. SWINE. One yearling boar, fall pigs, a few more bred sows. R.W. Mills, Saline, Mich.

Poland China Brood Sows Bred for May and Maplewood Stock Farm, Allegan, Mich.

FOR SALE A few L. T. P. C. gilts being bred for Angust and September farrow.
A. A. Feldkamp, Manchester, Mich., R. F. D. 2

Spring boar pigs, sired by Steuben's Perfection and Cherokee Jim, 1st prize Ind. State Fair. Other winners at other fairs. Tried sows bred. Satis-faction guaranteed. Will ship C.O.D. Address,

STEUBEN'S HAMPSHIRE FARM R. R 3,

Angola, Ind.

Edgewood Hampshires All bred gilts sold. Now booking orders for gilts bred for fall farrow, and pigs for pig club work only. Depew Head, Edgewood Farm, Marion, Ohio,

Bred Gilts all sold at present and more later.

JOHN W. SNYDER, St. Johns, Michigan.

SHEEP.

KIDS

I cannot sell you any more ewes until next fall. To some grown up, I can offer 10 very good young Shropshire ewes that will lamb in April for \$400.00. Their lambs contracted to me should not more than purchase price next fall. Also 10 mighty nice ewe lambs for \$350.00. Come and see them.

S. L. WING, KOPE-KON FARMS, Coldwater. Mich.

Idle Wild Stock Farms Shropshire yearling rams from prize winning stock. Make your selection early. Oliff Middleton, Proprietor, Clayton, Mich. B. 3.

250 Reg. Shropshires offered past season all sold needed. Registered Shropshire ewes and rams of same high quality. O. LEMEN.

Want a Sheep? Let American Hampshire Sheep booklet with list of breeders. Write COMFORT A. TYLER, 22 Woodland Ave. Detroit, Mich.

HORSES

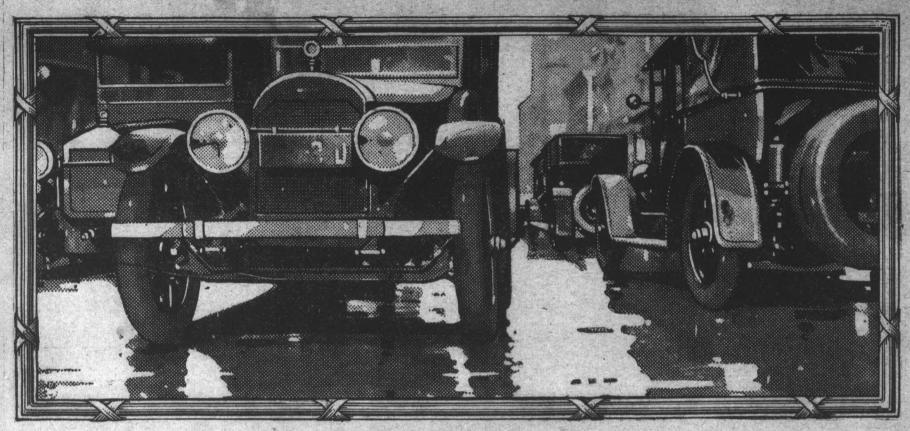
For Sale or Trade

Registered Percheron Stallions: Brown three year old. Gray yearling.
Butler Stock Farms, Portland, Mich.

Percheron Stallions and mares at reasonable prices; inspection invited.

Chartlotte, Mich.

You never get more out of your Tire than the Maker put in



STAND on a street corner some day and watch the motor cars go by. Every now and then you will see a motorist with two or three tires strapped on the back of his car, each tire of a different make.

A man afraid of his tires.

No matter how many precautions a man may take he will never get out of a tire *more* than the maker put into it.

If a tire is built to go a limited number of miles there is no reason why it should be expected to go any farther.

When it breaks down before it has gone the limit, there is no reason why an allowance should The car in the foreground has a wheel out of line.

Few motorists realize that a displacement of only one degree has the same effect on a tire as if it was dragged 92½ feet in every mile.

New tires have been known to be completely stripped of their treads in 100 miles of running under such conditions.

not be made to the buyer.

What intelligent buyers are looking for is better tires—not limited-mileage tires or conciliatory allowances.

And they are beginning to look behind tires to the *principles* on which they are built and sold.

Here is the principle which governs the production and sale of U.S. Tires: Build a tire as good as human skill can build it, and let responsibility for quality exceed every other consideration.

Seek out the new kind of tire dealer—the man who believes in quality and square dealing, who is putting the tire business on as sound a basis as any other retail business in his town.

Back of him stands every resource and facility of the United States Rubber Company—the oldest and largest rubber organization in the world.

U.S. Tires are built on a quality basis as fast as quality conditions will permit—and no faster.

And they are guaranteed free from defects in materials and workmanship for the life of the tire—with no limitation of mileage.

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Fifty-three Factories

The oldest and largest
Rubber Organization in the World

Two hundred and thirty-five Branches