

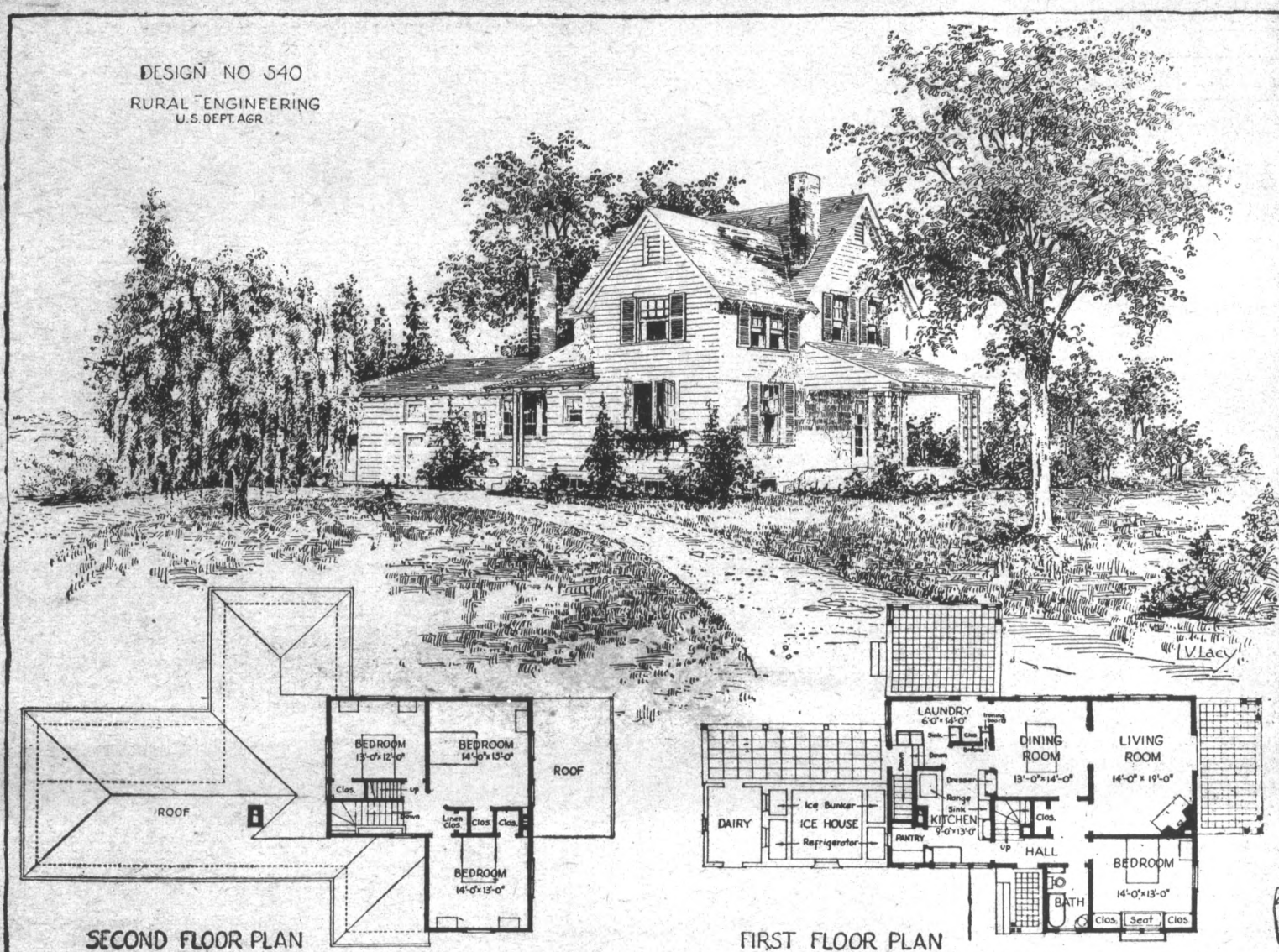
MICHIGAN FARMER

AND LIVE STOCK JOURNAL.
PUBLISHED WEEKLY. ESTABLISHED 1843.

VOL. CLVII. No. 18
Whole Number 4172

DETROIT, MICH., SATURDAY, OCTOBER 29, 1921

ONE YEAR \$1.00
FIVE YEARS \$3.00



SECOND FLOOR PLAN

FIRST FLOOR PLAN

This is the Completed House of Eight Rooms. Other Stages of the Development of this Home Are Shown on Page 408.

A Home Built on the Piecemeal Plan

YOU have no doubt admired the home pictured above and commented upon the completeness of the plans. These plans have been worked out to give the home-maker and her helpers, if she is fortunate enough to have any, the maximum of advantages at a minimum of cost and at the same time to preserve lines that may be given an attractive setting in most localities. Moreover, it has an advantage which will appeal to the majority of home-makers; the house may be built in different stages. This adapts it to families of moderate resources.

For the young couple just starting, who must build, and whose pocketbook is not very well lined, a house which may be added to as times brighten, is a godsend. The

department of agriculture, anticipating just such needs, has prepared a set of plans which will be furnished on application to farmers wishing to build such a home. The house is constructed in four stages, so that some time may elapse from the building of the first part, until the completed structure is finished.

In the beginning there is a living-room and dining-room combined, and a kitchen below, with two bedrooms above stairs. A full basement is provided, to be reached by temporary steps outside, covered by a hatchway. The chimney is permanent and need not be torn down when the other additions are built.

The first addition contemplates, first of all, the installation of running water. Then

a laundry and washroom combined and a kitchen are to be added, with cellar stairs. Plans are drawn so that the men coming in from work enter the washroom and find here a closet for their outdoor clothes, and a place to clean up before coming into the house proper. The room formerly used as a kitchen, now becomes the dining-room, and the men can enter it directly from the washroom, and need not go into the kitchen at all. This arrangement will be a boon to the cook. In addition to the coat closet in the laundry there is a closet for the ironing board.

In the kitchen a closet is provided for brooms, floor mop, carpet sweeper, etc. The cupboards and sink are on the wall between kitchen (Continued on page 408).



Published Weekly Established 1843 Copyright 1921

The Lawrence Publishing Co.

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TERMS OF SUBSCRIPTION

One Year, 52 issues \$1.00
Three Years, 156 issues \$2.00
Five Years, 260 issues \$3.00

Sent postpaid. All Canadian subscriptions 50c a year extra for postage

RATES OF ADVERTISING

55 cents per line agate type measurement, or \$7.70 per inch (14 agate lines per inch) per insertion. No advertisement inserted for less than \$1.65 each insertion. No objectionable advertisements inserted at any time.

Member Standard Farm Papers Association and Audit Bureau of Circulation.

Entered as Second Class Matter at the Post Office at Detroit, Michigan, Under the Act of March 3, 1879

VOLUME CLVII. NUMBER EIGHTEEN

DETROIT, OCTOBER 29, 1921

CURRENT COMMENT

Emergency Credit for Farmers

PURSUANT to the plan previously commented on in the columns of this journal, the War Finance Corporation has established an agricultural loan agency in Michigan with headquarters in Detroit. The members of the committee are given in another column.

This action completes the machinery for the making of advances on agricultural paper to Michigan bankers by the War Finance Corporation in accordance with the plan as previously explained. Michigan farmers who need money to finance stock feeding or other agricultural enterprises can now approach their bankers in the matter with full knowledge that the banker can secure advances on good agricultural paper through this medium. While cooperative organizations conducted on a business basis can arrange for advances directly through the agricultural loan agency, individual farmers can do this only through the medium of their bankers.

This arrangement should be of material aid to the farmers of Michigan as well as those of other states if they avail themselves of the opportunity and their bankers cooperate with them to the fullest extent in making this avenue of needed capital available.

The Railroad Strike Situation

AS we go to press the country is anxiously awaiting developments in this situation, with optimism gradually gaining ground. In the meantime the Interstate Commerce Commission has ordered a sixteen per cent reduction in freight rates for grain and hay on western roads, while the Railway Labor Board and other governmental agencies are actively at work to avert the threatened strike. That organized labor is not a unit in the matter is evidenced by the report that officials of unions embracing a large number of railroad employees in their membership, including shop workers and clerks, some units of which have previously voted for a walkout, have refused to issue strike orders, as indicated by recent news dispatches.

Public reactions in the matter seem to clearly indicate that the members of the "brotherhoods" who are scheduled to make the strike effective on October 30 will not have the sympathy of the public back of them to any considerable degree. In fact, there is a growing sentiment in the public mind

that the vital issues involved might better be settled now than merely postponed by compromise.

By the time this reaches our readers it will have been demonstrated whether the sober, second thought of the men and their union leaders, and the statesmanship of government officials will serve to avert the threatened calamity or not. If not, it is a matter for congratulation that the farmers of the country will not only be the class least affected by the stoppage of rail transportation facilities, but will be in a better position than ever before to supply food to city people as a result of the great improvement in highways which has been accomplished in recent years.

Trees and Business

IT has been many a year since the forests were robbed in more beautiful colors than they have possessed this fall, yet it will not be long before the yellows and golds will have fallen and nothing but the bare trunks and branches will show. The dark, ugly, gnarled sentinels of the forests will then stand in the place of all the present beauty. Unattractive, indeed, will these barren trunks be in comparison. Yet there is embodied in the roots and trunks and branches of these soldiers of the woodland the same potential power that produced the unspeakable beauty of the foliage that is now falling.

Such changes often go on in the businesses which men follow. Cooperative institutions are no exception. In these organizations men become enthused during the springtime of development and the foliage of hope grows rapidly and beautiful and the undertaking is full of promise. This growth continues through the summer with every encouragement until the arrival of the fall frosts of competition, which suddenly arrests further development. When these leaves of hope take on for a moment their brilliant hues and then fall, the cooperation backsliders, too frequently, begin to multiply. But the cold business institution has more than likely grown in strength and power to serve. So don't forsake it simply because it has finished standing on dress parade. If it is to be of any permanent value to those who are associated in the organization then the time must come, if it is not here, for the institution to get its working clothes on to buffet the storms and stand the test of a rigorous winter.

The Motive Behind the Man

CLARK L. BRODY, business manager of the State Farm Bureau, hit the nail on the head when he said that one of the chief considerations in the selection of leaders was to find the motive behind the man.

Mr. Brody made this remark at the Ypsilanti Produce Market Conference in connection with a statement that the farm bureau would go through a test in which powerful interests would try to down it and in this test it would be essential to have the right kind of leaders.

To know the motive of the man is really a chief essential in his selection to any position of responsibility. Too often the public is not critical enough in this regard and consequently men come to positions of power who place self interest first and use their positions as stepping stones to greater power. Such men give service only as it will further themselves, but in doing so often build upon false foundations and fail to bring through critical times the organizations under their stewardship.

The man with the right motive puts himself behind his job, not in front of it. With him it is service first and self afterwards. Such a man often

lacks eloquence to attract attention and, from the popular standpoint, does not "stack up well" as a leader. He usually makes himself known through his accomplishments rather than through his promises.

History is replete with the accomplishments of unselfish men. Should we not lay more and more emphasis upon such qualities in men for places of responsibility?

Foreign vs. Domestic Exchange

THE reason for the decline in our foreign trade is so obvious that it is a matter of common knowledge. The resources of many foreign nations that were among our best customers have been so depleted as a result of the war that their credit in our markets has become impaired to the degree represented by the widely varying rates of foreign exchange. And some of these countries are getting our customers in other countries as a result of this very fact, since domestic raw materials and labor paid for with their cheap money, even at war prices, enable them to undersell us in terms of a more stable currency. So our foreign trade has rapidly approached the vanishing point in everything but commodities of absolute necessity to those countries, with little prospect of its general restoration until some means is found to put foreign exchange on a more even and stable basis.

To a certain, though less serious degree, our national business situation is comparable to the international situation as above noted. Domestic exchange, if the word may be coined to represent the condition of a disturbed relation between commodity values, is at once unstable and unsatisfactory to the rank and file of American citizens, which fact is reflected in the slow movement of most lines of goods which has characterized the recent months. This disparity in "domestic exchange" as thus defined is not limited to commodity prices alone, but extends as well to service charges of all kinds. Farmers first felt the effects of this disturbance in "domestic exchange" in tumbling prices for their products. Industrial workers have felt it in a too prevalent condition of unemployment. Manufacturers and merchants have in turn felt the result of this shrinkage in the resources of their customers in a lessened demand for goods, as the process of deflation has progressed. In fact, only the banker has found the demand for his wares to exceed the supply and the price which his commodity would bring in the open market unimpaired.

As a result commodity prices are being gradually forced down, with a consequent forcing down of all production costs in the process of the readjustment of "domestic exchange" to a more normal basis. Manufacturers and distributors are being forced to absorb heavy losses, just as the farmers had to take their loss. Gradually, yet surely, deflation is progressing all along the line, with increased movements of commodities as they reach a normal level and occasional reactions in price when the pendulum swings too far.

As this readjustment progresses domestic business is bound to improve. In fact, it is already improving in very many lines, and promises to be better than normal under a complete reaction from the general slowing up in buying on the part of all classes of citizens for the very good reason that the need for all kinds of goods will be greater. This is the bright spot on the business horizon, since the restabilization of foreign exchange does not appear to be so simple a matter or one so easily accomplished, and an increased domestic trade will be needed to maintain employment and prosperity until our foreign trade can be rehabilitated.

News of the Week

Wednesday, October 19.

IF the railroad strike occurs, ten million more men will be added to the jobless army.—The judge of the circuit court in Jackson county upholds the right of officers to stop autos in search of liquor.—Mary Kuchar travels 3,000 miles to be married, coming from Bohemia to marry Joseph Kuchar, an Owosso, Michigan, farmer.—Over 10,000 immigrants per month arrive in Canada.—Charles Peterson, state forest fire warden, says the Michigan forest fire losses for this season amounted to \$100,000.—A party of thirty-three Japanese arrive in United States for the disarmament parley.—Ludwig, known as the "Mad King," of Bavaria, died in Hungary.—The latest thing is a vest pocket movie camera which uses twenty-five feet of film and is set in motion by pressing a spring.

Thursday, October 20.

BACKWARD pupils in the Chicago schools will be fed sheep glands for brain-building purposes.—General Baron Wrangel's fortune was lost when his private yacht was sunk near Constantinople. General Wrangel is the anti-bolshevik Russian leader.—Detroit and other large cities are planning to use truck fleets for freight service in case the railroad strike takes effect.—The passage of the Townsend-Dowell road bill will make jobs available for over 9,000 men on Michigan state roads.—The Baptist churches of Michigan gained 3,645 new members during the past year.—Supervisors of Isabella county oppose the State Uniform Accounting systems.—The city of Saginaw opens bids for bus line franchises.—General Armando Diaz, who led the Italian armies to victory in the world war, was given a great welcome upon his arrival in New York to attend the peace conference.

Friday, October 21.

THE minimum wage board of Ontario, Canada, fixes the minimum wage for girls at \$11.00 per week.—A bomb is thrown on the Paris home of Myron T. Herrick, the American ambassador to France.—Babe Ruth, the holder of the home-run record in baseball, gives his wife a \$4,000 fur coat and a \$2,000 check for a birthday present.—The newspaper editors of Michigan discuss problems at their third annual conference at Ann Arbor.—Cambridge University, London, has again voted against permitting women to become students.—The internal revenue officials say that there is a big decrease in cigarette tax receipts because the work of anti-cigarette reformers is becoming effective.

Saturday, October 22.

BRITISH statesmen believe that there will be a war between the United States and Japan if the peace parley fails.—The Welfare Board of Detroit had twenty-five per cent fewer calls for jobs in September than in August.—Fifteen thousand Yanks on the Rhine will start for home in two weeks. The Germans regret their leaving.—The National Spiritualist Association in session at Detroit hear a "spook" phonograph.—John L. Lewis, President of the United Mine Workers of America, orders the Kansas miners back to work.—Over 35,000 people witness the Michigan-Ohio State football game at Ann Arbor.—Former Governor Ferris, in a speech at Oakland County Teachers' Institute, defended the use of cosmetics. He said that if a few cents worth of cosmetics makes a woman look better he was for it.

Sunday, October 23.

STATE Department has advised that Mexico has placed an eight dollar head tax on all Americans entering Mexico through the Port of Nogales.—Mrs. Wm. F. Cody, widow of Buffalo Bill, aged seventy-eight years, died at her home at Cody, Wyoming.—The New Haven Railroad proposes to put motor buses on small branch lines which are unprofitable.—A Santa Fe freight train was held up at McCook, Illinois, and robbed of \$5,000 worth of whiskey.—Nikolai Lenine, the Soviet-Russian Premier admits that his communist policy has failed.—Former Emperor Charles of Austria was heading 12,000 troops in an effort to regain his throne.—Officials of unions with more than half of the railroad employees in their membership announce that their men will not join the strike of the big five organizations.

Monday, October 24.

INTERSTATE Commerce Commission has ordered freight rate reductions on hay and grain, averaging sixteen per cent.—Ex-President Wilson (Continued on page 414).

Preparing to Meet Mr. Corn Borer

By E. E. Reynolds

A HEARING to discuss the proposed extension of the federal corn borer quarantine and consider other means of controlling the unwelcome pest, was held before the Federal Horticultural Board on October 11, Dr. C. L. Marlatt, chairman of the board, presiding. In attendance were entomologists and department of agriculture officials from fourteen states, representatives of the farm organizations and grain 'dealers' associations, and agents of boards of trade. Among the number were Dr. L. R. Taft, inspector of nurseries, and Congressman John C. Ketcham, of Michigan; T. H. Parks, Ohio State University, and H. A. Gosard, entomologist of the Ohio Experiment Station; J. G. Sanders, Harrisburg, Pa.; E. P. Felt and Dr. Atwood, of New York.

The extension of the quarantine, as outlined by Secretary Wallace in his official call included all the territory east of a line extending from Lake Michigan southward along the western border of Indiana to the Ohio river and thence eastward to the coast.

Dr. E. D. Ball, budget expert in the department of agriculture, argued that the establishing of a quarantine through Michigan to the Ohio river to protect the great corn belt, was the most important point to be considered. He favored the spending of the entire appropriation in controlling the western line of infestation, leaving New England and New York state to take care of their infestations as best they can. As it is planned to cut the department of agriculture appropriations to the extent of a half million under the budget system, Dr. Ball thought there was little likelihood of getting an increase in appropriation for corn borer work.

The proposal of Dr. Ball met with

strong opposition from many delegates. Dr. Marlatt said the policies of the department were determined, not from the standpoint of the budget, but of need and justification. Gray Silver, representing the American Farm Bureau Federation, said that there was great alarm in the middle west in regard to the corn borer menace, and both the west and east should be taken care of. He was sure that congress would appropriate sufficient money to take care of the situation.

The New England delegates were insistent that the quarantine be continued on the infested area in Massachusetts. It was the opinion of Commissioner Healey, of Connecticut, that if the corn borer were permitted to spread in the eastern states it would

mean the destruction of the corn crop, the basis of New England's leading industry, dairying, and the funeral of agriculture in the east.

Dr. Parks, of Ohio, said the farmers of that state were willing to have a quarantine that will be reasonable. They do not expect a quarantine over the whole state but including the infested region. They would rather see four dollars spent in repressive measures to one dollar on quarantine.

At the conclusion of the hearing, Dr. Marlatt said that it was not customary for the board to announce its decision without careful deliberation. Nevertheless he did not think the Federal Horticultural Board had any idea of establishing a general quarantine as outlined in the secretary's call. He

was opposed to any plan which included a large territory along state lines, while letting the infested areas take care of themselves. He would rather have no quarantine at all. He said he believed the attitude of the board was in favor of expending all the funds in quarantine work that is necessary to meet the emergency.

The delegates held a meeting after the hearing with Commissioner Gilbert of the Massachusetts Department of Agriculture in the chair. At this conference the group instructed the chairman to appoint a committee of five to present the demand for an appropriation to the sub-committee on agricultural department appropriations at the hearings before the committee which will be held early in January. The delegates voted to ask for an appropriation of \$275,000 for corn borer control work, and went on record as favoring the restriction of the quarantine to the infested areas.

Some interesting information in regard to the European corn borer was brought out during the discussions. It has been found that the corn borers in the New England district have two broods a year while the borers in the Ontario infestation have only one brood. The question as to whether this was due to hereditary or climatic influences was left unsettled with the chances in favor of difference in climate. It was pointed out, however, that each infestation came from different importations of broomcorn, not from the districts under quarantine in this country. The infestation which extends along the south shore of Lake Erie is regarded as a spread from the Ontario area across the lake.

In eastern New York and Massachusetts there was a marked increase (Continued on page 402).

On Their Vacation Across the Sea



The Children of Alex. Milligan, of Tuscola County, Are Enjoying their Vacation in Sunny Scotland, the Land of their Forebears.

Certified Potato Seed From Michigan

Makes Good in Indiana

LAST spring the Michigan Potato Growers' Association conceived the idea of sending several lots of seed potatoes grown in Michigan into other states. This certified seed stock was given away on condition that the grower would plant it beside his own potatoes and give it the same treatment that he gave his own stock. He also agreed to make a report on comparative yields. The idea obviously, was to find out whether or not Michigan certified seed would yield in localities where conditions were considerably different than where the seed was grown.

This work was done largely through the County Farm Bureaus. In this county we got 1,500 pounds of the Michigan seed and this was distributed

among twelve growers. One grower lost out completely as the conditions on his farm were so unfavorable that neither his own seed nor the Michigan seed germinated good enough to make it worth while to leave the field.

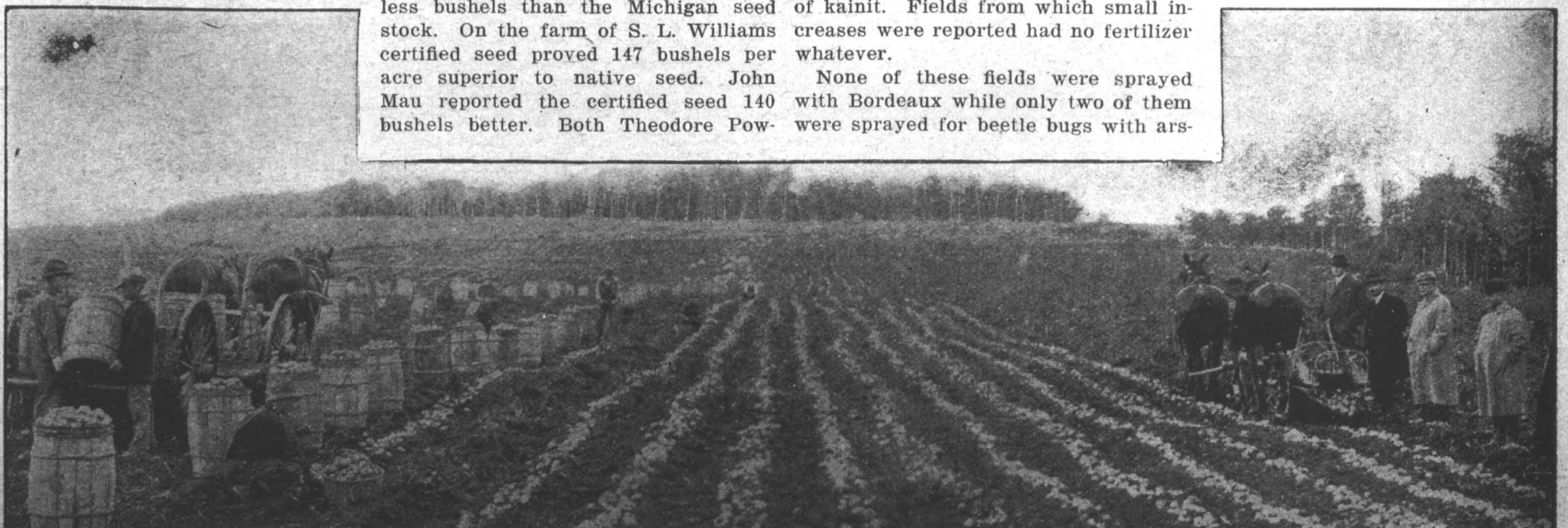
The results available from the eleven demonstration fields are certainly sufficient to assure Michigan growers that they are producing a quality of seed stock which will assert its superiority under the conditions of northern Indiana at least. From all of these eleven plots the average increase which certified seed gave over native stock was 68.8 bushels per acre. The highest increase reported was by Otto Podell, whose native stock yielded 174 less bushels than the Michigan seed stock. On the farm of S. L. Williams certified seed proved 147 bushels per acre superior to native seed. John Mau reported the certified seed 140 bushels better. Both Theodore Pow-

ell and Chris Rerline reported a yield of eighty-four bushels better from certified seed. The lowest increase reported was by George Stout, and Mr Stout compared certified seed with stock that he has been hill-selecting for some years.

Undoubtedly Michigan growers will be interested in knowing under what conditions these potatoes were grown. The most of them were grown on deep muck while three of the fields were grown on black sand. The fields from which the heavier increases in yield are reported are those that received more fertilizer. The field from which the highest increase was reported had an application of 375 pounds per acre of kainit. Fields from which small increases were reported had no fertilizer whatever.

None of these fields were sprayed with Bordeaux while only two of them were sprayed for beetle bugs with ars-

enate of lead. Given such treatment as this and showing such large increases in yield over native stock, the Michigan potato growers may be certain that the requirements laid down by the Michigan Potato Growers' Association for certified seed lay stress upon those qualities that indicate a production much higher than the average. Moreover, I am conversant enough with Michigan potato sections to believe that this certified seed stock will bring just as big a return in Michigan as it does in Indiana. Like Indiana growers, a good many Michigan growers are also wasting their time to some extent when they do not plant the very best seed stock that can be obtained.—I. J. MATHEWS, Agricultural Agent, Pulaski County, Indiana.



LATE AGRICULTURAL NEWS

A PRODUCE MARKETING CONFERENCE.

THE officials of over fifty farm bureaus and cooperative organizations in Oakland, Wayne, Macomb, Monroe and Washtenaw counties met at Ypsilanti last Thursday to discuss the formation of a produce exchange.

Milton Carmichael, secretary of the Wayne County Farm Bureau, submitted tentative plans for the formation of such an organization, which included a distributing center at Detroit and the use of farm bureau locals to gather and ship the produce. It is proposed to have the organization a part of the State Farm Bureau and eventually to cover a territory much larger than the five counties.

The plan, fundamentally, is to give the farmer an efficient and profitable means of marketing such products as vegetables, fruits, eggs and other farm products which are not grown in large quantities. It is also to encourage closer relations between the producer and the consumer with advantages to both.

Other speakers at the meeting who were in favor of such an organization were C. L. Brody, business manager of the State Farm Bureau; Hale Tenant, marketing specialist of M. A. C.; G. C. Raviller, purchasing agent for the farm bureau; G. V. Branch, municipal director of markets of Detroit, and L. Whitney Watkins, member of the State Board of Agriculture.

A committee was appointed to make investigations and to formulate plans for the formation of such an exchange at a meeting to be held in Detroit in January.

This is an endeavor to solve one of the hardest farm marketing problems, the efficient sale of the side-line products of the farm. As organizations similar to the one proposed are being operated successfully in Toledo and Cleveland these tentative plans should develop into a successful organization.

THE 1921 BEAN CROP.

WHAT about beans? According to the men who gather crop information for the government, the American bean crop this year will approximate that of 1920. It will, however, be about three and a half million bushels short of the crop for 1919 and about 8,500,000 bushels less than were grown in 1918. Michigan will have better than 2,500,000 bushels to her credit this year. The yield in this state is estimated at 10.8 bushels per acre as against a seven-year average of 9.7 bushels.

DOES NOT FEAR EXTENSIVE TROUBLE FROM CORN-EAR WORM.

THE corn-ear worm which did considerable damage in fields of sweet corn in western Michigan this year is a seasonal pest, in the opinion of J. Hackley Skinner, crop promoter for the Roach Canning Company, of Grand Rapids, and probably will not be troublesome next year. Michigan had a mild winter, a warm spring and a hot summer, making the Wolverine climate ideal for the borer. A normal season, according to Mr. Skinner, will practically free the state of the pest.

THEY LIKE GOOD SHEEP.

SOME interesting figures have just gotten out of Washington. In all the Union there are only six states that have more pure-bred sheep than Michigan. Here is the number, 21,342. That would make some herd. If these

sheep were brought together and those belonging to each breed separated into different pens we would find that the Shropshire pen contained the most the number for that breed being 7,042. In the Merino pen there would be 4,998; in the Oxford pen 2,800; in the Rambouillet pen 2,267; over in the Hampshire pen we could count 1,910; while of Lincolns there would be 268; of Leicesters 100; of Dorsets 72; of Suffolk 42, and of Cheviot 24.

BOG IRON FOR ROAD USE.

THE road (state trunk-line No. 77), which passes through a portion of the Seney Swamp from Jermfast to Seney, Schoolcraft county, has been surfaced with bog iron—a material rather uncommon in highway construction in Michigan but which hehe has produced very satisfactory results. The material has been taken from the

swamp close at hand and is compacted by the traffic. The region is a barren waste of bogs and sand dunes, devoid of good road material, it appears, save this bog iron; but when we traversed it recently, we found a very passable automobile road produced, at what was undoubtedly a relatively low cost. There is no geological connection between this formation and the iron ranges somewhat to the westward which have produced the millions of tons of Lake Superior iron ore. Similar formations were reported from the southern peninsula.—CHASE.

OUT FOR INTERNATIONAL HONORS.

OUR greatest advertising in years!" This is the general comment on the spectacular showing made by Michigan farmers at last year's International Grain and Hay Show. The



Michigan Milk Producers Hold Their Annual Meeting

THE annual meeting of the Michigan Milk Producers' Association was held at M. A. C., on Tuesday, October 18.

At the morning session, immediately following the president's address, it became apparent that there would be a contest for the control of the organization on the part of a group of delegates from the Detroit area. Preliminary to this contest, a motion providing that nominations for officers should be made in open convention instead of by nominating committee, was adopted. A motion was then made that a committee on credentials be appointed for the preparation of a list of delegates who might properly be seated in the convention. In a discussion of this motion it developed that, while the Constitution of the Association provides for a delegate meeting, this provision had never been adhered to in any of the annual meetings of the association, as a consequence of which a large number of the delegates present had not prepared themselves with credentials. After thorough deliberation this proposition was rejected by a substantial majority of delegates present. In order that the matter might be disposed of before any of those present at the convention were obliged to leave, election of officers was made a special order for two o'clock at the afternoon meeting, at which the following officers were elected by a substantial majority: President, N. P. Hull; secretary, R. C. Reed; treasurer, H. W. Norton; directors, R. G. Potts, of Washington; A. M. Eckels, of Plymouth, and F. W. Myers, of St. Clair. All of these officers were re-elected with the exception of Mr. Myers, who took the place on the board of directors formerly filled by Congressman J. C. Ketcham.

In his annual report, the secretary called special attention to the fight which the organization made against the ruling of the Federal Fair Price Commission, which reduced the price of milk in Detroit to a point which would have meant a reduction of \$1.30 on every one hundred pounds to producers in the Detroit area, which he estimated for the period between April 6 and October 1 saved the milk pro-

ducers of the Detroit area practically \$2,000,000. This case was carried to the Supreme Court of the United States, and the association employed Charles E. Hughes, now Secretary of State, to defend producers' interests until the matter was finally settled by the cancellation of all war measures of this kind.

The following financial report was submitted and adopted on the recommendations of the auditing committee: Secretary's Financial Report, October 1, 1920—October 1, 1921.

Expenditures.	
Testers	\$ 8,618.76
"Messenger" expense	5,729.64
Rent, fuel, office supplies, salary of helpers for Howell office	3,576.07
Rent, phone, office supplies, Detroit office	1,006.90
Attorney's fees L. E. Howlett	5.00
Attorney's fees, C. E. Gittins	500.00
Attorney's fees, C. E. Hughes	2,500.00
Salary of president	1,200.00
Salary of secretary	3,300.00
Salary of treasurer	200.00
Salary of Mr. Rabild	2,500.00
Salary of George Burt	1,800.00
Dues to Nat'l Ass'n	1,500.00
Dues to Mich. Allied Dairy Association	400.00
Salary and traveling expenses of directors for directors' meetings; traveling expenses of president and secretary, salary and traveling expenses of field workers and speakers; upkeep of cars	6,795.34
Total	\$39,631.71

Receipts.	
Messenger advertising	\$ 3,240.72
Interest on certificates and bonds	1,009.05
Receipts from dealers	51,285.26
Receipts from membership fees	396.00
Subscriptions to Messenger	10.00
Total receipts	\$55,931.03
Disbursements	39,631.71
Balance	\$16,299.32

Auditor's report of amount on hand	\$57,950.81
Estimated cash value of three cars	900.00
Office fixtures, safe and desks	500.00
Total assets of Ass'n	\$59,350.81

The convention was addressed by Manager C. L. Brody, of the Michigan (Continued on page 415).

record made in that great contest certainly has given Michigan prestige among all the states in the matter of growing superior grains and seeds. It will be more difficult to "bring home the bacon" this year than it was last, since a larger number of states and provinces will send exhibits and it is known that unusual care is being taken by a number of these states and provinces in the collection and preparation of the grains, seeds and hay which they propose to show.

There is, however, an exceptionally fine opportunity for our farmers to score again. In Michigan this has been an unusually favorable corn year which should result in a strong showing on this grain. While oats and barley were hard hit in Michigan, according to Professor Cox, of the crops department at M. A. C., practically all the other states have suffered to an equal or greater degree, thus evening up chances in the contest. In the rye classes, other states will make a better showing this year because they planted heavily of the Rosen variety last fall and will have much of this variety to show in competition with Michigan growers.

All entries are to be sent to Professor A. L. Bibbins, of East Lansing, who will send Michigan's entire display to Chicago in one shipment. Entries should be made before November 15. Those who have taken prizes at local fairs, are especially urged to enter their samples for the 1921 International. It is expected that a large attendance from Michigan will be present at the great show, which is to be held in Chicago from November 26 to December 3.

WILL LET SHEEP ON SHARES.

A SCHEME worked out by County Agricultural Agent L. M. Geismar, derived from his experience in his old home in Alsace, whereby sheep are purchased and placed with local farmers on a contractual basis is of interest. My information is that the arrangement has worked out very profitably both for the capitalists and the farmers and that both parties recently agreed to continue it. The individual financial contributions and the allotments of sheep are generally small, I understand. Such cooperation should be very effective in getting town and country together on a business basis.—CHASE.

MICHIGAN HEADQUARTERS FOR WAR FINANCE CORPORATION.

WAR Finance Corporation has established an agricultural loan agency in Michigan, with headquarters in Detroit. The members in charge of the agency are William U. Gray, John W. Staley and H. H. Sanger, of Detroit; Clay H. Hollister, of Grand Rapids, and C. S. Campbell, of Kalamazoo.

The corporation announces the approval of a loan of one million dollars to a financing institution for advances on live stock in Montana and Wyoming. Many smaller loans have been approved on live stock, grain and cotton in other states. With the newly established Michigan agency, it is thought that the corporation will soon begin to grant loans on farm products in the states east of the Mississippi and north of the Ohio.

Light soils in Livingston county respond to acid phosphate for fall grains. An application of it increased the yield of wheat more than ten bushels per acre over the unfertilized portion of the field. It is usually profitable to use some nitrogen with the phosphate unless stable manure is available.

Dairy Farming

WHEN THE BUTTER WON'T COME.

VERY frequently farmers or their wives ask advice from the farm journals as to why the butter will not come. To this question there are several answers, the answer depending upon the circumstances surrounding the individual case.

A common cause of this trouble is that the salting of the cattle in the fall of the year when they first go on dry feed is sometimes forgotten. If the cows are not salted regularly, this is likely the reason why the butter does not come quickly.

Another very common cause is the temperature of the cream may not be right for churning. A dairy thermometer, which is not very expensive, should be provided, and it will tell when the ripened cream is around

spare for that piece. I had a quantity of soy-beans and some kaffir corn seed. I plowed the piece the last of May, harrowed it once, sowed the soy-beans broadcast, broadcasted the kaffir corn over the same ground, sowed a small quantity of pulverized sheep manure fertilizer, harrowed the ground again and waited for results. I thought I might get a little green feed and at least get a growth for turning under later on.

That stuff came up and grew amazingly. I began feeding from it about the middle of July, mowing off just the amount needed for a day or two at a time. I fed green feed from that piece until the last of September when the fall rains had made the pasture good again. The stock ate it clean, stalks and all.

I had only enough soy-beans for



Soy-beans Growing Alongside a Field of Corn. Photograph Taken Just as the Crops were Ready for the Herd of Hogs which the Progressive Owner Had Waiting to do the Harvesting.

sixty degrees, the correct temperature for churning.

The method of handling the cream before churning often has much to do with the butter not coming. If a separator is used for skimming, the cream should be cooled before mixing it with former churnings. The cream should be saved and kept in a cool place until there is enough for a churning. It should then be warmed to about seventy degrees and allowed to stand at this temperature for twelve hours or until it ripens. Then it should be cooled to around sixty degrees, when it is ready to churn. When the cream is ripening, it should be stirred occasionally so the temperature will be uniform throughout.

An old neighbor who has uniform success with churning recommends this recipe when the butter won't come: Before putting any cream into the cream jar, put in a piece of salt-peter the size of a small pea, a scant teaspoonful of salt, and the same amount of sugar. Pour on enough boiling water to dissolve. Each time the cream is put in, stir it well.

The kind of feed used for the cattle sometimes explains the difficulty in the butter not forming properly. The consistency of the butter sometimes shows that they need a laxative. Oil meal and bran used as a part of the ration will often do more to correct this trouble than anything else.

H. L. S.

HOW I SOLVED THE PASTURE PROBLEM.

FOR the past four years we have had a long dry spell every summer. My pasture—mostly ravine and rough ground, has dried up until the little grass left was fairly brittle and looked dead. What to do for green feed for cows during that period was the question. I solved that problem this year. I had a piece of yellow clay ground too poor for corn, and no manure to

about half the piece so had kaffir corn alone on the other half. The first of October I cut the remaining kaffir corn by hand and shocked it. There were twenty-four big shocks of feed. The kaffir had grown to about four feet tall at that time and headed out with an abundance of ripe grain. I am feeding it now to the cow and notice that she gives more milk.

I learned some lessons through this experiment. Here they are for your benefit:

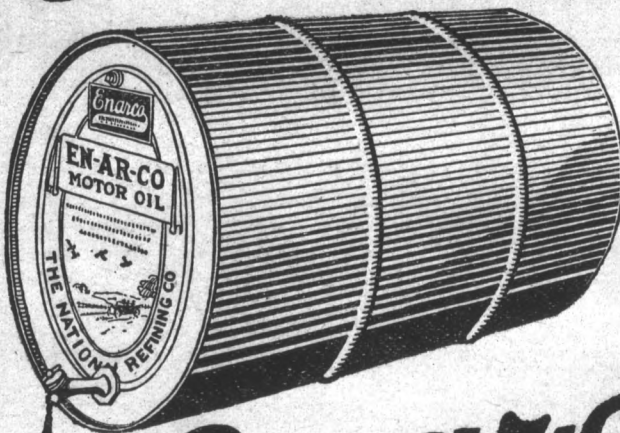
First, I used Ito San soy-beans and they ripened too soon and shed their leaves. I shall use a much later variety next year as the object is not seed but forage. The stock, though, ate the dry beans, stems, pods and all. Also I shall try sorghum instead of kaffir corn in the combination, on a small piece but shall stick to kaffir for the main piece. I have an idea sorghum will make a heavier forage and cure easier.

I might mention that where I mowed first, the kaffir grew again and got nearly two feet high by frost, so I got my cover crop after all. Caution: this second growth of kaffir or sorghum must not be fed and stock must not be allowed to run on it as it generates a deadly poison after frost.

Here are the big advantages: Plenty of green feed to tide over the period of dry pasture; easily put in with the minimum of labor; no cultivating to do; any left over after pasture becomes good again and may be cut, cured and stored for winter feed. It makes the very best feed for cows as the grain is right with it. My hogs eat it green or dry, stalks and all. More green feed and more cured dry feed to the acre than any other one plant or combination of plants I ever tried.—L. B. REBER.

Estimates are for an American apple crop of about 18,000,000 barrels. Last year, 36,000,000 barrels were grown.

SAVE \$17.50



Buy It By the Drum

En-ar-co

SCIENTIFIC REFINING

MOTOR OIL

The Oil of a Million Tests

Buy En-ar-co Motor Oil by the iron drum. Save 35c per gallon or \$17.50 on every iron drum. Get a leak proof iron drum package with easy flowing faucet—FREE.

Figure it out for yourself. The present single gallon price of En-ar-co Motor Oil is \$1.15 per gallon. The price by the iron drum is only 80c per gallon—a difference of 35c per gallon—or a clear cash saving to you of \$17.50.

\$17.50 is \$17.50—It's Yours If You Act Now!

Think of it! You can now buy this high grade, scientifically refined En-ar-co Motor Oil—the oil that is known to, and used by thousands of farmers everywhere, and endorsed and recommended by prominent tractor, automobile and motor manufacturers, at the big cash saving of 35 cents per gallon, or \$17.50 when you buy it by the iron drum.

This big saving is made possible only by getting En-ar-co to you in quantity lots at the lowest possible expense. You know it costs less to handle fifty gallons of En-ar-co Motor Oil in one iron drum than fifty single gallons in fifty different packages. The difference in cost is 35c per gallon or \$17.50 per iron drum—and this big cash saving is yours if you order your En-ar-co Motor Oil by the iron drum.

No matter where you live you are en-

titled to this big cash saving. 92 branches and distributing centers—one near you—guarantees you quick, prompt and safe delivery.

You know the National Refining Company. It has been serving the public for forty years and has the reputation among everyone of making the highest quality Petroleum Products on the market. No body has ever made any better, and your farm paper or your neighbor will tell you of the high standing of the Company, and the scientifically refined quality of the goods that we sell.

Act Now! Order your drum of En-ar-co Motor Oil today. Advise what tractor, truck, automobile or light plant you want to use it for, and we will send you the proper grade and guarantee immediate delivery.

If your dealer can't supply you, fill out the order blank below and mail it direct to us at Cleveland, O., or to any of the following 92 branches:

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Knightstown, Ind.
Ladoga, Ind.
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EN-AR-CO MOTOR OIL Light—Medium—Heavy—Extra Heavy

Per Gal.	Per Gal.
Iron Drums (50 Gal.).....\$0.80	10-Gallon Cans.....\$.95
Iron Half-Drums (30 Gal.).. .85	5-Gallon Cans.....1.00
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Modern Refineries—92 Branch Offices

Use this Order Blank

The National Refining Co., H-703 National Building, Cleveland, Ohio

Ship me at once by freight from your nearest distributing center.....iron

drum of En-ar-co Motor Oil. I want it to lubricate.....(Name

of Tractor).(Name of Car).

.....(Name of House Lighting Plant).

for which you are to charge me 80 cents per gallon, f. o. b. your nearest shipping station.

En-ar-co Motor Oil is shipped in iron drums containing fifty gallons, so that the invoice price at

80c per gallon will be \$40.00 per iron drum, package free.

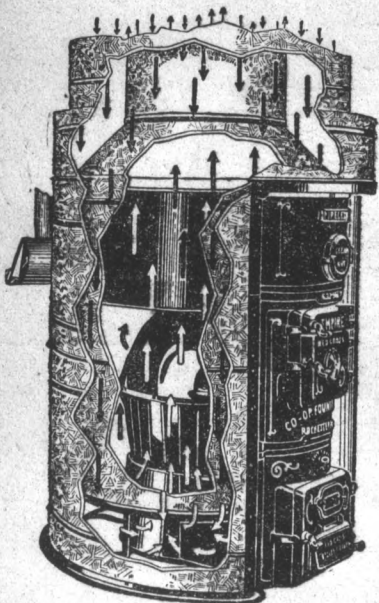
My name is.....St. or R. F. D. No.....

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We are the originators and the scientific refiners of White Rose Gasoline, clear, uniform, powerful; National (kerosene) Light Oil, for lamps, tractors, for your stoves and incubators; also En-ar-co Gear Compound, twenty-five pound packages, for differentials, transmissions, etc., also shipped in barrel lots.

Properly Heated Rooms, Pure Air —and Low Fuel Bills

An EMPIRE PIPELESS FURNACE will heat every room in your home, church, school or other building to a uniform temperature of 70° even in the coldest zero weather, provide a perfect circulation of clean, pure air, and cut down your fuel bills.



EMPIRE PIPELESS FURNACES are very simply and quickly installed. They are shipped complete—everything necessary for immediate installation being included. And, once installed, they will last a lifetime.

Satisfied users everywhere speak of EMPIRE PIPELESS FURNACES in the highest terms. We GUARANTEE that you, too, will be absolutely satisfied. And our 60 years of experience in building the most scientific and most practical heating and cooking appliances is a further guarantee.

WRITE for illustrated, descriptive booklet on the latest and most scientific one-pipe heating system, and the name of the "Red Cross" dealer nearest to you.

CO-OPERATIVE FOUNDRY CO.
Manufacturers of "RED CROSS" Stoves and Furnaces
ROCHESTER, N. Y. CHICAGO, ILL.

"RED CROSS" EMPIRE Pipeless Furnace

The foolish man who built his house on the sand—

He gave an example in folly which anybody can understand.

It isn't so easy, however, to sense the mistake of trying to build the body on foods which lack essential nourishment.

Here, again, is a foundation of sand which gives 'way when the test comes.

Many a food that tastes good lacks honesty of nourishment to equal its taste. Thus it tempts the appetite into mistakes that often are costly.

Grape-Nuts is a food which helps build bodily endurance for life's stress and storm. The full nourishment of wheat and malted barley, together with the vital mineral salts so necessary to bone structure and red blood corpuscles, with phosphates for the brain, is retained in Grape-Nuts. The long baking process by which Grape-Nuts is made gives the food a natural sweetness and an unusual ease of digestibility and assimilation.

Served with cream or milk, Grape-Nuts is fully nourishing, and whether eaten as a cereal at breakfast or lunch, or made into a pudding for dinner. Grape-Nuts has a particular delight for the appetite. Sold by grocers.

Grape-Nuts—the Body Builder
"There's a Reason"

Certified Irish Cobbler Seed Potatoes for sale. The only field of certified Irish Cobblers in Michigan this year. Must be sold this fall. Order at once. \$2.00 per bushel, sacks free. F. O. B. here.
MORLEY E. OSBORNE, Standish, Mich.

Mention The Michigan Farmer When Writing Advertisers

FOR SALE CHEAP immediately for cash one each five and six horse power Fairbanks Bulldog Gas engines, ninety percent new. \$130. and \$160, each respectively. Will make great sacrifice for cash on one new used Cleveland Tractor. Box G. 1029 care of Michigan Farmer, Detroit, Mich.

FARM BUREAU NEWS

WILL ASK SPECIAL SUGAR BEET COMMITTEE.

APPOINTMENT of a special sugar beet committee from the American Farm Bureau Federation to investigate and suggest remedies for the marketing problems of the sugar beet producers of middle western states will probably be asked of President J. R. Howard, of the Farm Bureau Federation, as the result of a meeting of Michigan, Illinois and Ohio sugar beet producers' representatives held at Michigan State Farm Bureau headquarters Friday, October 21, the farm bureau announced today.

Attending the Lansing meeting were A. E. Diekman, of South Holland, Ill., representing Illinois beet growers' interests; C. W. Waid, Columbus, Ohio, the Ohio Farm Bureau Federation's director of vegetable and fruit marketing; R. P. Reavey, of Caro, Mich., and T. C. Price, of Saginaw, of the Michigan Sugar Beet Growers' Association.

It was intimated by those attending the meeting that President Howard would probably be asked to appoint a national sugar beet growers' committee similar in character to the present American Farm Bureau Federation Dairy Committee of Eleven, the National Fruit Marketing Committee of Twenty-one, and the National Cooperative Live Stock Committee of Fifteen, all charged with investigating marketing problems in the fields mentioned, with a view to improving the producer's marketing facilities and making the path to the consumer shorter and more economical.

Middle western states which grow sugar beets are Michigan, Illinois, Ohio, Indiana, Wisconsin, Minnesota and Iowa. Vast quantities of beets are also grown in the far west and some in Canada.

WOOL SELLING MORE FREELY.

APPROXIMATELY half, or a little over 1,250,000 pounds of wool have been marketed from the Michigan State Farm Bureau's 1921 wool pool since August 1, according to an announcement just made by the farm bureau wool department. Michigan farmers placed around 2,785,800 pounds of wool in the 1921 pool and are constantly adding to that amount, as the pool is still open. Eastern clothing and yarn mills and middle western woolen mills are taking the farm bureau wool.

Compared to the experience with the 1920 pool when the wool market was lifeless from June, 1920, to February, 1921—a period of seven months—farm bureau officials feel that the 1921 pool is stepping fast. Spread over a period of two and a half months the sales to date would average between 17,000 and 20,000 pounds daily, or about a carload a day. At the rate the pool has been moving to market and without unforeseen conditions such as a railroad strike, slump in the market or other difficulty coming to pass, it will require at least an equal period to dispose of the remainder of the wool in the 1921 pool and then some little time to close the books, the farm bureau wool department advises.

The wool is moving at the best current prices. The wool market is improving and the farmers having wool in the pool are getting the benefit of the advance. Under the farm bureau plan of pooling and selling wool collectively on a quality or graded basis, there is no speculation with the farmers' product. A salaried wool pool salesman with a life-time of experience in handling and marketing wool is representing the Michigan pool at eastern mills. He is not only building

up the farmer's wool business for today but for the pools of future years.

At the central grading warehouses in Lansing and at local grading stations competent wool handlers made every effort to give the farmer pooler—their employer—a fair deal. Michigan wools are handled here as they would be in Boston and they pass the Boston grade. Educational features of the first wool pool which resulted in cleaner wool coming into the 1921 pool, are paying out. The mills like clean wool and Michigan pooled wool is gaining in prestige.

The State Farm Bureau wool pool is continuing to experience remarkable success in disposing of wool from the Michigan pool through the medium of virgin wool blankets, suitings, overcoats, yarns, and other products. Volume of business has reached such a figure that an addition has been built to the State Farm Bureau building to house the overflow business of the suitings department and today a corps of salesmen and clerks handle this end of the business.

Farmers in some eighteen wool pooling states are doing the same thing that Michigan is doing. In those states wool speculators are not having the easy time that they did and it looks as though speculative pastures were getting rather barren. Farmers in the same eighteen wool growing states are behind the Truth-in-Fabrics legislation and are interested in giving the consuming public woolen products that are shoddy-free and which will give the service that will assist in putting the American wool growing industry back on its feet again.—U.

PREPARING TO MEET MR. CORN BORER.

(Continued from page 399).

In damage done by the borers the past season. In the oldest infested area within ten miles of Boston, according to D. J. Caffrey, of the department of agriculture, the average damage in fields of flint corn investigated was found to be twelve and three-tenths per cent and maximum of eighteen per cent. In the fields of sweet corn examined, fifty-four per cent of the corn was infested. Outside the older area the damage to stalk, ear and grain was less than one per cent. In western New York the borers have been found on many other plants besides corn.

In explaining the cause for the rapid spread of the borer and greater damage done, Dr. L. O. Howard suggested that this has been a very favorable season for insects, which may account for the increased activity of the pest.

Some encouraging words were given by Mr. Russell, a Boston market gardener, who is growing sweet corn only a short distance from the place where the borer was first discovered on the American continent and on the farm where the first control work was done. Mr. Russell said the damage from the corn borer had been tremendous in the past five years. When the pest first got into his corn he cut down the acreage, but he is now raising corn on just as large an acreage as ever. He believes the borer can be controlled in large degree by clean-up work, burning all corn stubble, weeds and refuse. He said the Boston market gardeners were unanimously in favor of continuing the federal quarantine.

The woman's committee of the American Farm Bureau organization at its first regular session in Chicago, is formulating a program for the farm womenfolk of the country. Mrs. John C. Ketcham, of Hastings, Michigan, is a member of this committee.

BUSHEL BASKET THE COMING
APPLE CONTAINER.

TIME was when you just naturally spoke of barrels and apples in the same breath. You bought a barrel or two of Spies to put in the cellar for the long winter evenings and never thought of buying less.

But times change. Folks are buying in smaller quantities, nowadays growers are looking for easier handled packages. This year more than ever before the bushel basket has been used for the packing and storage of fine apples. Growers say they are easier to sell as original packages and that when the apples are gone the basket is still useful around the house.

But the thing about the whole situation that will be most interesting to the growers of this country is that the new bushel packed apples are bringing better prices.

Growers have found that the same quantity of apples required to properly



This is the Season when we Fully Appreciate the Home Garden.

pack six barrels, will fill twenty bushel baskets, and the following comparisons are figured on that basis.

The following comparisons are all based on quotations on the Chicago market, as made by the "Packer" and the United States Bureau of Markets:

Market Quotations July 23, 1921.

Michigan Transparents, barrels, \$8@8.50; baskets \$3.50@3.75. Michigan Duchess, barrels, \$6; baskets \$2.50@3.

At these prices six barrels of Transparents, \$48@51; twenty baskets of Transparents, \$70@75; six barrels of Duchess, \$36; twenty baskets Duchess \$50@60.

Market Quotations July 30, 1921.

Michigan Transparents, barrels, \$8@8.50; baskets \$3@3.50; Michigan Duchess, barrels \$5@6; baskets \$2.25@2.50.

Six barrels Transparents, \$48@51; twenty baskets, \$60@70; six barrels of Duchess, \$30@36; twenty baskets \$45@50.

These quotations are for large fancy fruit. The quotations for smaller inferior fruit show even greater returns for the basket over the barrel. For example, on July 23 small Transparents in barrels sold for \$3.50@3.75, while the lowest quotation on Transparents in baskets for the date was \$2.50. On that basis six barrels sold for \$21@22.50, and twenty baskets sold for \$50.

VALUE OF WHITEWASH.

DON'T fail to whitewash a stable at least once each year; twice might be better. It not only improves the appearance inside, but expels insects, and stops any bad odor, rendering a building sweet and healthy for animals to sleep in. It is quite essential to the production of good milk. A hoghouse needs frequent applications, according to the number of hogs contained in it; a poultry house should be whitewashed, the oftener the better to kill lice in cracks or other narrow crevices where vermin may harbor.

Fruit and ornamental trees should be whitewashed once each year to discourage borers and to prevent bark from cracking and peeling off. A strong solution, applied to fence posts, penetrates deep cracks, and keeps the timber in a good state of preservation, for an indefinite period. This has been proven for whenever an old house is torn down, the lath are as sound as new ones being preserved by plaster.—W. E. McMULLEN.



On Guard!

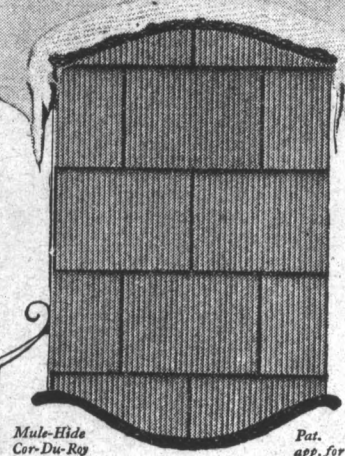
THRU raging storms and frigid cold,—thru summer's torrid heat,—365 days of every year, MULE-HIDE Stands Guard!

MULE-HIDE represents a *Fortress* of protective strength and roofing endurance. Day and night it keeps faith—a sure and never-failing overhead *protection* against the destructive elements—an assurance of comfort and security!

—and we pledge to the great property-owning public a continuation of this dependable quality,—the quality that has earned for MULE-HIDE SHINGLES and ROLL ROOFING that remarkable service record of

"Not A Kick In A Million Feet"

The Lehon Company
44th to 45th St. on Oakley Avenue
CHICAGO



Mule-Hide Cor-Du-Roy

is the heaviest and highest-quality asphalt shingle made, it affords the greatest protection at the lowest cost per year.

Write for illustrated descriptive literature of Mule-Hide Cor-Du-Roy. Address Dept. M.

"NOT A KICK IN A MILLION FEET"

U S

MUTUAL
AUTOMOBILE
INSURANCE COMPANY

The Farmer's Own Company

"Guards You Against Fire, Theft, Collision, Property Damage and Liability"

How It Happened

Another freak accident occurred a few weeks ago in Southern Michigan. Rounding an ordinary road curve on a main country highway, a farmer crashed into a huckster's wagon, injuring both huckster and horse severely. And—at a speed of only 15 miles per hour.

Loose gravel—the source of much motoring grief—caused the trouble. It was necessary to shoot the horse, and the huckster was placed in a hospital—confined for nine weeks—at the farmer's expense.

However—

his U. S. Full Coverage Five Point Policy covered the damages—saving the farmer just \$700.

Are You So Safeguarded

against Fire, Theft, Collision, Property Damage and Liability? If not, don't wait another day to learn more about U. S. Five Point Protection—the positive safeguard costing but \$1.00 per Horse Power plus the small membership fee of \$1.00.

Colonel A. H. Gansser will answer your postal promptly. Write today.

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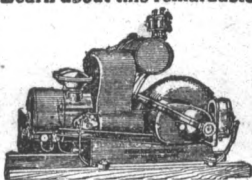
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Many Engines in One

World's greatest farm engine. Adjust power to suit job from 1½ to 6 H. P. The one engine economical on all farm power jobs up to 6 H. P. Saves investment, upkeep, running expense. Gasoline or kerosene. Portable. Busiest machine on the farm. Wonderful value at lower than pre-war price. Never was such a gas engine bargain. Sold direct to you. Learn about this remarkable farm helper. Write for description and reduced prices.

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MOTOR
COMPANY

219 Main Street,
SPRINGFIELD, OHIO



HOOSIER STOVES & RANGES FREE

To try in your home 30 days. Should you not like it return at our expense. Million members of families now using Hoosier Stoves, best made, the latest design and guaranteed for two years. Ask your dealer to show you "Hoosiers" or write us for our big free book showing photographs. Large assortment and sizes at a big saving. Send postal today.

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131 State St. Marion, Ind.

3 BIG BARGAINS

Wait! Before you buy an engine, separator, spreader or any other machine, get Galloway's new low price; save \$4 to \$4. 300,000 pleased customers testify to faultless designs, best materials. Satisfaction guaranteed. Send for catalog. Wm. GALLOWAY CO., Box 187, Waterloo, Iowa.

9 CORDS IN 10 HOURS

Runs fast, weighs only 45 lbs., cuts down trees, no backache. Send for FREE catalog No. B44 showing low price and latest improvements. First order gets agency. Folding Sawing Machine Co., 161 West Harrison St., Chicago, Ill.

BY ONE MAN, 10' KING OF THE WOODS. Saves money and backache. Send for FREE catalog No. B44 showing low price and latest improvements. First order gets agency. Folding Sawing Machine Co., 161 West Harrison St., Chicago, Ill.

WITTE

Makes New Prices
All Sizes Lower. 2 H.P. (was \$59) Now \$39.95
Kerosene or Gasoline. 6 H.P. (was 180) Now 119.90
Prices f. o. b. K. C. 12 H.P. (was \$52) Now 249.00
Carload fgt. to PBG. 30 H.P. (was 1091) Now 699.80
Write for CATALOG. WITTE ENGINE WORKS,
2193 Oakland Avenue, KANSAS CITY, MO.
2193 Empire Building, PITTSBURGH, PA.



MOUNTED!

Whether you go mounted or afoot—on business or pleasure—if you must be outdoors in cold weather—

Look well to your underwear.

For warmth—comfort and long, faithful service there is nothing like HIGH ROCK Fleece Lined Underwear.

The soft, downy fleece that's next the skin is the result of our 50 years of experience—it is the comfortable, wear resulting kind that is just as soft and free from lumps after many washings as when new. Won't pull or wash out and does not pill up. Full cut, generous sized garments, durable stitching, durable buttonholes and buttons. Your dealer has your size—ask him for

HIGH ROCK FLEECE LINED UNDERWEAR

Made in Shirts, Drawers and Union Suits
HIGH ROCK KNITTING CO., Philmont, N. Y.
Largest Manufacturers of Fleece Lined Underwear in the U. S. A.

BUY YOUR PAINT

at Money-Saving Prices
Lowest prices on best quality house, barn or silo paint. Direct from Factory to Your Farm.

NOW is the time to PAINT! Write for our money-saving prices on paints. Color charts and instructions for estimating quantity, sent free on request. Our reputation is your guarantee.
HOOSIER SILO CO.
Paint Dept. M99 Albany, Ind.
GLAZED TILE, LUMBER AND CEMENT
STAVE SILOS, HOLLOW BUILDING TILE

Our Service Department

COSTS TO CONTEST WILL.

My father died and left a will. He was married twice, had children by his first wife, so there were two families. He willed his first family five dollars apiece and left his real estate to the boys in the second family, and the girls his personal property. The first family are contesting the will. Can they take the personal property to defend the will, or will the cost come out of his estate?—J. F. K.

To the victor belong the spoils. The only way that costs out of the estate to provide for contesting the will could ever be obtained would be at the end of the suit by order of the court, if the court should be convinced that the contest was in good faith and on probable cause; and even then it is very doubtful whether the court would allow the costs to the defeated party.—J. R. R.

FRUIT IN HIGHWAY.

Will you please let me know if any person has the right to pick fruit from a branch overhanging the highway?—C. S.

The fruit belongs to the owner of the land only, and this would be so even if the tree stood entirely in the highway. The rights of the public extend only to the use of the ground for a highway, in passing and repassing. J. R. R.

SURFACE FOR CEMENT FLOORS.

What is the proper way to put a hard finish on floor and steps of a cement porch. I have been told there is a hardening admixture to be applied to top surface.—D. T. W.

There was at one time on the market a preparation said to be similar to iron filings or oxide of iron, which was used for hardening cement and we have some floors at the college which were finished with this preparation.

It is the writer's opinion, however, that concrete properly made has such a good wearing surface that it is not necessary to add any foreign material for ordinary use. A right knowledge of how to use the material and a little care in construction will insure a most excellent job.

After the base course has been laid to the thickness desired, the surface coat which in most cases is about half an inch thick, should be laid as quickly as possible after the base course. The surface coats will bond to the lower course much better if both are green than when the first course has been allowed several days' time to harden; also in the process of hardening the first coat accumulates a certain amount of dust and foreign substances which has a tendency to separate the surface coat from the other and thereby cause cracking and flaking off when weather and freezing get in their work.

The material for the surface coat should be a mixture of about one part cement and two parts sand. In this case sand is meant to be the material which can be screened through a screen having a quarter-inch mesh but the grains making up this material should be irregular, sharp, hard and flinty like pebbles, and should not contain more than ten per cent of loam, organic matter or other foreign material.

To test for cleanness of sand, put about four inches of sand in a quart jar and fill the jar full of water, cover and shake for a few minutes and allow to stand. If more than about three-eighths of an inch of material accumulates on the top of the sand when allowed to settle, it should not be used, especially for surface work.

After the material has been thor-

oughly mixed and wet to a consistency that it may be handled with a trowel without water coming to the surface, it should be thoroughly worked in place and levelled with a wooden trowel or float. The wooden float works in the same way on the surface of the cement as a road drag does on the road, that is, it pulls high places off the surface and tends to fill up the low places making the surface level. However, a smooth surface cannot be produced with the wooden float and if a smooth, level surface is desired the cement should be allowed to stand for a short time after the wooden float is used, until the water dries out to some extent and just about the time the initial set begins, which in warm weather would not be more than half an hour. Then, a steel plasterer's trowel can be used to smooth the surface. If an attempt is made to use the steel trowel before the water has dried out of the cement, the trowel marks will be very prominent on the surface and it would also have a tendency to make the surface uneven.

If it is desired to make the material work more smoothly than can be secured with cement alone, about one pound of hydrated lime or slaked lime can be added for each ten pounds of cement. This has a tendency to whiten the concrete slightly but in most cases not enough to be objectionable. H. H. M.

DESCENT—RIGHTS IN HIGHWAYS.

If a single man dies leaving property to one brother, two sisters, father and mother and before it is probated the father dies, who inherits the property? A lives in city joining township. B owns land and the road is entirely on his land. On north side of road are thirteen shade trees and survey stake or divide between city and township lies four feet north of the trees, or four feet south of the city lines. Does A have the right to nail fence on the trees and enclose land? Could this road be changed and A made to furnish his share? A claims trees. B is willing to furnish road, but don't think A should damage trees. This road has been there a good many years. For twenty years B has claimed trees and protected same.—F. H. M.

On the death of a single person leaving parents, the parents take all his state in this state to the exclusion of brothers and sisters. The rights of inheritance are fixed at the moment of death. The subsequent death of one of the heirs is immaterial. The distribution of the share of the heir that dies while the estate is in course of administration is made to the heirs, as if he died in possession.

The question as to the trees is the same as if there were no highway there. The ownership of a strip of land five feet wide is as much protected as if it were five miles wide. Therefore A is liable for going onto B's land and nailing a fence onto B's trees. J. R. R.

PLANTS THE CORN-EAR WORM ATTACKS.

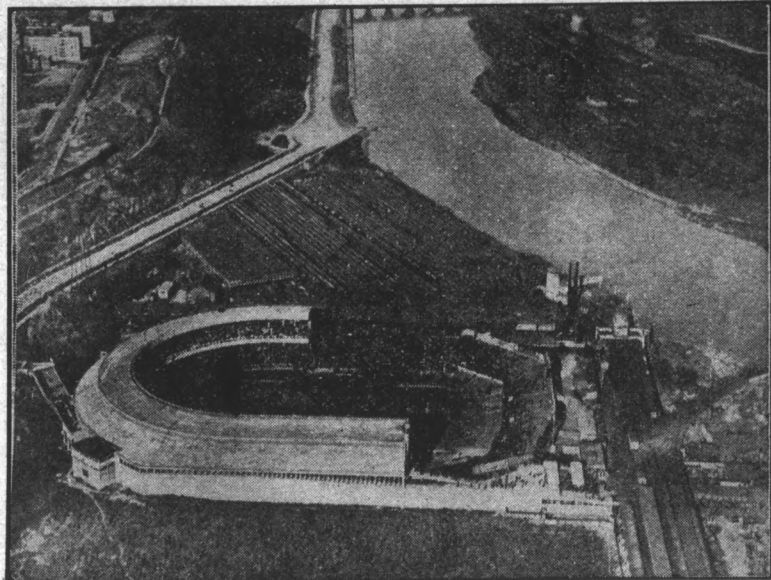
What plants does the corn-ear worm attack besides the corn?—W. A. C.

Besides attacking the corn, these worms also go after the fruit of the tomato, eating out more or less of the pulp inside. In the south the cotton is also attacked, the worms eating into the cotton bolls. In the tobacco districts, they also attack the tobacco buds and stalks. The early broods of this worm do very little damage in this section, as they are not numerous enough to make themselves noticeable, but the later broods show considerable damage on corn, especially in long seasons.

WORLD EVENTS IN PICTURES



The Castlemans, four Louisville, Ky., brothers, whose respective sons are their caddies when playing golf.



An airplane view of the polo grounds, New York, where the baseball championship games were played.



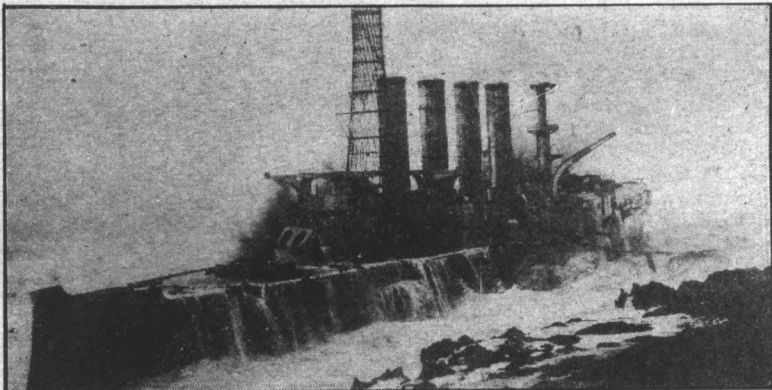
Peasant girls in quaint costumes welcome Juliana, Holland's princess.



One hundred and thirty-four years old and still good-looking.



Carrying their dead to the cemetery is a common occurrence in famine-stricken Russia.



One of Uncle Sam's floating forts which went aground five years ago, still defies the seas at Santo Domingo.



Mr. and Mrs. Charles H. Current, of New Jersey, were congratulated by President Harding on a family of sixteen children.



Madame Koo, wife of Chinese Minister, in Washington.



Thousands show interest in the baseball championship series by watching the free scoreboards in New York.



Adventurous girl frightens crowds by dangling from high window.

THE BLIND MAN'S EYES

By William MacHarg and Edwin Balmer

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"Dr. Sinclair says we will know in four or five days," she replied to Avery; she turned then directly to Eaton. "He thought there probably was a clot under the skull, and he operated to find it and relieve it. There was one, and we have done all we can; now we may only wait. Dr. Sinclair has appointed himself nurse; he says I can help him, but not just yet. I thought you would like to know."

"Thank you; I did want to know," Eaton acknowledged. He moved away from them, and sat down in one of the seats further down the car. Connery came out from the drawing-room, went first to one end of the car, then to the other; and returning with the Pullman conductor, began to oversee the transfer of the baggage of all other passengers than the Santoine party to vacant sections in the forward sleepers. People began to pass through the aisle; evidently the car doors had been unlocked. Eaton got up and left the car, finding at the door a porter from one of the other cars stationed to warn people not to linger or speak or make other noises in going through the car where Santoine was.

As the door was closing behind Eaton, a sound came to his ears from the car he had just left—a young girl suddenly crying in abandon. Harriet Santoine, he understood, must have broken down for the moment, after the strain of the operation; and Eaton halted as though to turn back, feeling the blood drive suddenly upon his heart. Then, recollecting that he had no right to go to her, he went on.

CHAPTER VIII.

Suspicion Fastens on Eaton.

As he entered his own car, Eaton halted; that part of the train had its usual look and manner, or as near so, it seemed, as the stoppage in the snow left possible. Knowing what he did, Eaton stared at first with astonishment; and the irrational thought came to him that the people before him were acting. Then he realized that they were almost as usual because they did not know what had happened; the fact that Basil Santoine had been attacked—or that he was on the train—still had been carefully kept secret by the spreading of some other explanation of the trouble in the car behind. So now, in their section, Amy and Constance were reading and knitting; their parents had immersed themselves in double solitaire; the Englishman looked out the window at the snow with no different expression than that with which he would have surveyed a landscape they might have been passing. Sinclair's section, of course, remained empty; and a porter came and transferred the surgeon's handbag and overcoat to the car be-

hind in which he was caring for Santoine.

Eaton found his car better filled than it had been before, for the people shifted from the car behind had been scattered through the train. He felt a hand on his arm as he started to go to his seat, and turned and faced Connery.

"If you must say anything, say it was appendicitis," the conductor warned when he had brought Eaton back to the vestibule. "Mr. Dorne—if a name is given, it is that—was suddenly seized with a recurrence of an attack of appendicitis from which he had been suffering. An immediate operation was required to save him; that was what Dr. Sinclair did."

Eaton reaffirmed his agreement to give no information. He learned by the conversation of the passengers

that Connery's version of what had happened had been easily received; some one, they said, had been taken suddenly and seriously ill upon the train. Their speculation, after some argument, had pitched on the right person; it was the tall, distinguished-looking man in the last car who wore glasses. At noon, food was carried into the Santoine car.

Keeping himself to his section, Eaton watched the car and outside the window for signs of what investigation Connery and Avery were making. What already was known had made it perfectly clear that whoever had attacked Santoine must still be upon the train; for no one could have escaped through the snow. No one could now escape. Avery and Connery and whoever else was making investigation with them evidently were not letting

any one know that an investigation was being made. A number of times Eaton saw Connery and the Pullman conductor pass through the aisles. Eaton went to lunch; on his way back from the diner, he saw the conductors with papers in their hands questioning a passenger. They evidently were starting systematically through the cars, examining each person; they were making the plea of necessity of a report to the railroad offices of names and addresses of all held up by the stoppage of the train. As Eaton halted at his section, the two conductors finished with the man from the rear who had been installed in Section One, and they crossed to the Englishman opposite. Eaton heard them explain the need of making a report and heard the Englishman's answer, with his name, his address, and particulars as to who he was, where he was coming from and whither he was going.

Eaton started on toward the rear of the train.

"A moment, sir!" Connery called.

Eaton halted. The conductors confronted him.

"Your name, sir?" Connery asked.

"Philip D. Eaton."

Connery wrote down the answer. "Your address."

"I—have no address."

"You mean you don't want to give it?"

"No, I have none. I was going to a hotel in Chicago—which one I had not decided yet."

"Where are you coming from?"

"From Asia."

"That's hardly an address, Mr. Eaton!"

"I can give you no address abroad. I had no fixed address there. I was traveling most of the time. You could not recall me or place me by means of any city or hotel there. I arrived in Seattle by the Asiatic steamer and took this train."

"Ah! you came on the Tamba Maru."

Connery made note of this, as he had made note of all the other questions and answers. Then he said something to the Pullman conductor, who replied in the same low tone; what they said was not audible to Eaton.

"You can tell us at least where your family is, Mr. Eaton," Connery suggested.

"I have no family."

"Friends, then,"

"I—I have no friends."

"What?"

"What?"

"I say that I can refer you to no friends."

"Nowhere?"

"Nowhere."

Connery pondered for several moments. "The Mr. Hillward—Law-

The Spirit of Hallowe'en

By LeRoy W. Snell

Cre-ek—Cr-rick—Cr-re-ek
Squeek—Squeek—Squeek.
The rocking-chair, where mother sat
Was singing a song to the burning log,
And mother hummed to the work in her lap
While the log spit sparks with a spiteful snap
At me and the cat and the sleeping dog.

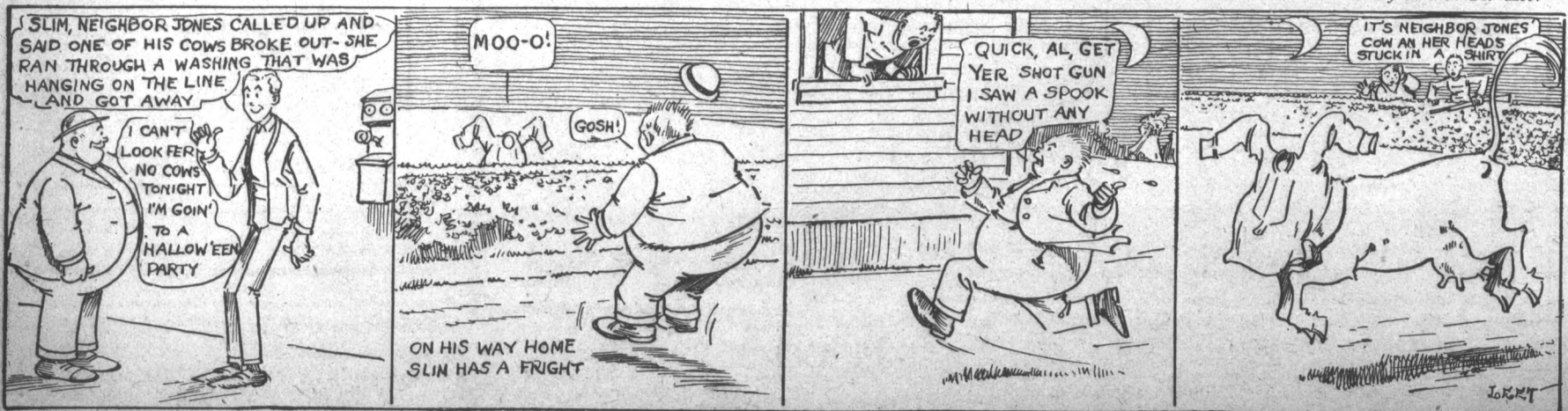
Cre-ek—Cr-rick—Cr-re-ek
Squeek—Squeek—Squeek.
A puff of wind down the chimney stole,
Danced to the song of the rocking-chair,
Scattered the smoke and fanned the coal,
While out of an ember shaped like a bowl
A boggy-man gave me an awful stare.

Cre-ek—Cr-rick—Cr-re-ek
Squeek—Squeek—Squeek.
The rocking-chair continued to sing,
But the dog growled deep in his troubled sleep,
And the boggy man leaned on the glowing rim
Of the bowl and threw some sparks at him.
It frightened me so, I couldn't speak.

Cre-ek—Cr-rick—Cr-re-ek
Squeek—Squeek—Squeek.
Bigger and bigger the boggy grew
And my eyes burned hot 'neath his torrid stare,
As out of the bowl his feet he drew
And over the hearth at me he flew.
I jumped and blinked and he wasn't there.

AL ACRES—The Cow Gives Slim a Real Hallowe'en

—By Frank R. Leet



rence Hillward, to whom the telegram was addressed which you claimed this morning, your associate who was to have taken this train with you—will you give me his address?"

"I thought you had decided the telegram was not for me."

"I am asking you a question, Mr. Eaton—not making explanations. It isn't possible there should be two Lawrence Hillwards."

"I don't know Hillward's address."

"Give me the address, then, of the man who sent the telegram."

"I am unable to do that, either."

Connery spoke again to the Pullman conductor, and they conversed inaudibly for a minute. "That is all, then," Connery said finally.

He signed his name to the sheet on which he had written Eaton's answers, and handed it to the Pullman conductor, who also signed it and returned it to him; then they went on to the passenger now occupying Section Four, without making any further comment.

Eaton abandoned his idea of going to the rear of the train; he sat down, picked up his magazine and tried to read; but after an instant, he leaned forward and looked at himself in the little mirror between the windows. It reassured him to find that he looked entirely normal; he had been afraid that during the questioning he might have turned pale, and his paleness—taken in connection with his inability to answer the questions—might have directed the suspicions of the conductors toward him. The others in the car, who might have overheard his refusal to reply to the questions, would be regarding him only curiously, since they did not know the real reasons for the examination. But the conductors—what did they think?

Already, Eaton reflected, before the finding of the senseless form of Basil Santoine, there had occurred the disagreeable incident of the telegram to attract unfavorable attention to him. On the other hand, might not the questioning of him been purely formal? Connery certainly had treated him, at the time of the discovery of Santoine, as one not of the class to be suspected of being the assailant of Santoine. Avery, to be sure, had been uglier, more excited and hostile; but Harriet Santoine again had treated him trustfully and frankly as one with whom thought of connection with the attack upon her father was impossible. Eaton told himself that there should be no danger to himself from this inquiry, directed against no one, but including comprehensively every one on the train.

As Eaton pretended to read, he could hear behind him the low voices of the conductors, which grew fainter and fainter as they moved further away, section by section, down the car. Finally, when the conductors had left the car, he put his magazine away and went into the men's compartment to smoke and calm his nerves. His return to America had passed the bounds of recklessness; and what a situation he would now be in if his actions brought even serious suspicion against him! He finished his first cigar and was debating whether to light another, when he heard voices outside the car, and opening the window and looking out, he saw Connery and the brakeman struggling through the snow and making, apparently, some search. They had come from the front of the train and had passed under his window only an instant before, scrutinizing the snowbank beside the car carefully and looking under the car, the brakeman even had crawled under it; now they went on. Eaton closed the window and lighted his second cigar. Presently Connery passed the door of the compartment carrying something loosely wrapped in a newspaper in his hands. Eaton finished his cigar and

went back to his seat in the car.

As he glanced at the seat where he had left the magazine and his locked traveling-bag, he saw that the bag was no longer there. It stood now between the two seats on the floor, and picking it up and looking at it, he found it unfastened and with marks about the lock which told plainly that it had been forced.

His quick glance around at the other passengers, which showed him that his discovery of this had not been noticed, showed also that they had not seen the bag opened. They would have been watching him if they had; clearly the bag had been carried out of the car during his absence, and later had been brought back. He set it on the floor between his knees and checked over its contents. Nothing had been taken, so far as he could tell; for the bag had contained only clothing, the Chinese dictionary and the box of cigars, and these all apparently were still there. He had laid out the things on the seat across from him while checking them up, and now he began to put them back in the bag. Suddenly he noticed that one of his socks was missing; what had been eleven pairs was now only ten pairs and an odd sock.

The disappearance of a single sock was so strange, so bizarre, so perplexing that—unless it was accidental—he could not account for it at all. No one opens a man's bag and steals one sock, and he was quite sure there had been eleven complete pairs there earlier in the day. Certainly then, it had been accidental: the bag had been opened, its contents taken out and examined, and in putting them back, one sock had been dropped unnoticed. The absence of the sock, then, meant no more than that the contents of the bag had been thoroughly investigated. By whom? By the man against whom the telegram directed to Lawrence Hillward had warned Eaton?

Ever since his receipt of the telegram, Eaton—as he passed through the train in going to and from the dinner or for other reasons—had been trying covertly to determine which, if any one, among the passengers was the "one" who, the telegram had warned him, was "following" him. For at first he had interpreted it to mean that one of "them" whom he had to fear must be on the train. Later he had felt certain that this could not be the case, for otherwise any one of "them" who knew him would have spoken by this time. He had watched particularly for a time the man who had claimed the telegram and given the name of Hillward; but the only conclusion he had been able to reach was that the man's name might be Hillward, and that coincidence—strange as such a thing seemed—might have put aboard the train a person by this name. Now his suspicions that one of "them" must be aboard the train returned.

The bag certainly had not been carried out the forward door of the car, or he would have seen it from the compartment at that end of the car where he had sat smoking. As he tried to recall who had passed the door of the compartment, he remembered no one except trainmen. The bag, therefore, had been carried out the rear door, and the man who had opened it, if a passenger, must still be in the rear part of the train.

(Continued next week.)

SUNSHINE HOLLOW.

Peter Brown went fishing over in Pine Lake as he heard a man tell of another fellow that had seen a fish there. Peter didn't catch a bite so he bought a fish down to the market and lugged it home on a hook. Mrs. Brown looked over the fish and found both eyes stuck up with salt. She says Peter never gets away with any fumdiddles around her.

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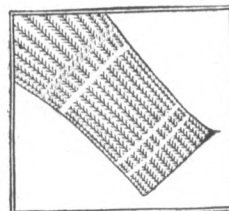
Ask your dealer for Wright's by name. We recommend all-wool—but you can get cotton and wool mixtures if you prefer. Sizes to fit every shape for men and boys—Union Suits or shirts and drawers. Wright's Interstice Underwear is a heavier grade for those who need an extra warm suit. Ask your dealer. If he cannot supply you, write to us for booklet. Remember the name—



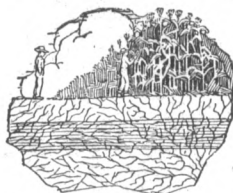
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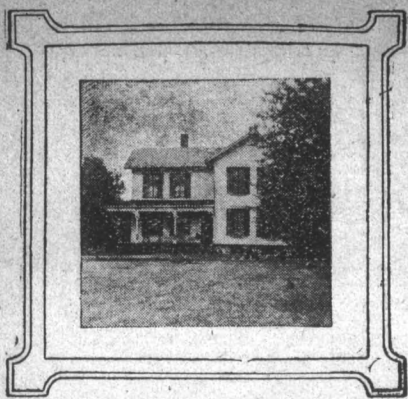
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HOW TO CHOOSE A BECOMING HAT.

MISS GERTRUDE ARBOGAST, of the home economics department of the University of Wisconsin, offers these suggestions to aid women in selecting becoming hats:

A brim which rolls up gently on the right side and down on the left. Whether this is a wide or narrow brim will depend on the face beneath it.

A stout woman, generally speaking, must wear a wider brim than the slender one, since width in the brim and height in the crown will tend to overbalance roundness of the face.

The short, slender woman with a small face should almost never wear a hat with a brim averaging more than three to three and a half inches in width.

The long-faced woman, especially if she is tall, should avoid the tall crowned or tall trimmed hat. She may, however, wear a wider brimmed hat than the short, slender woman.

The tall stout woman is often stunning in a large brimmed hat, because her height makes it possible for her to wear a hat which would make the short, stout woman appear grotesque.

Hats with mushroom brims belong entirely to youth. Downward turning lines in the face, are not desirable, and should, therefore, be not emphasized by downward turning lines in brims of hats.

For the person who wears glasses, hard lines and edges in hats should be studiously avoided. An edge may be softened by a bias fold, a ribbon slightly full, or a band of fur.

A hat with a stiff monotonous edge is not likely to be becoming to many persons especially to those who are no longer young.

The most successful child's hat is the soft, pliable kind which may be pulled down on the head and subjected to more or less rough treatment without very materially injuring its looks and wearing qualities. Stiff, fussy hats



Drudgery, calamity, exasperation, want are instructors in eloquence and wisdom.

—Emerson.

Woman's Interests

Hints for the Housekeeper

have no place in the wardrobe of the child.

For every day wear, a Tam O'Shanter made from old dress skirts, coats, or other woolen materials will serve well.

PAINT FOR WALL DECORATION.

THE flat wall paints now obtainable afford immense variety of shades and tints from which to choose. Delicate French grays, light buffs, cream tints and ivory whites for the bedrooms, rich browns, blues and greens for the dining-room and living-room, provide an almost endless variety of

pleasing combinations to harmonize with any desired color scheme. On the border or on the body of the walls attractive stencil designs, which bring out in relief the color combinations, may be applied. The use of flat wall paints is not limited to new work, but is equally effective on old unpapered surfaces or those from which old paper has been scraped.

HOME REMEDIES FROM OUR SUBSCRIBERS.

When pouring medicine from bottles, be sure to turn on the side opposite the label. This prevents soiling

and giving a mussy appearance and also leaves the directions plain.—Mrs. E. G. W.

If the weight of a hot water bottle is oppressive for an invalid, use hot cloths, preferably cotton, as they retain the heat longer than flannel.—E. L. C.

A HOME BUILT ON PIECEMEAL PLAN.

(Continued from first page).

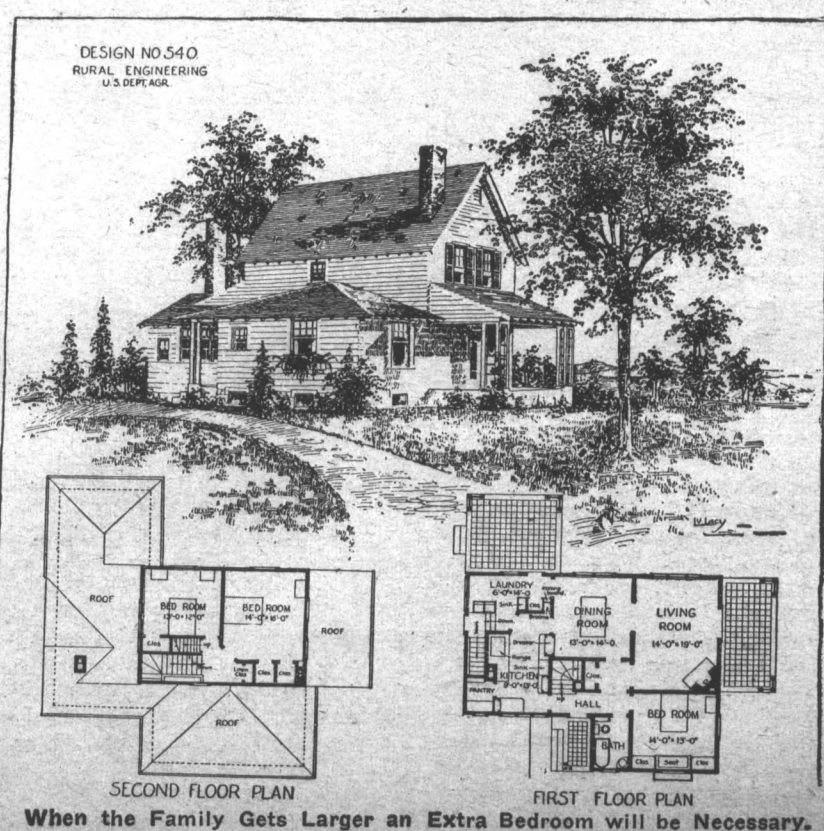
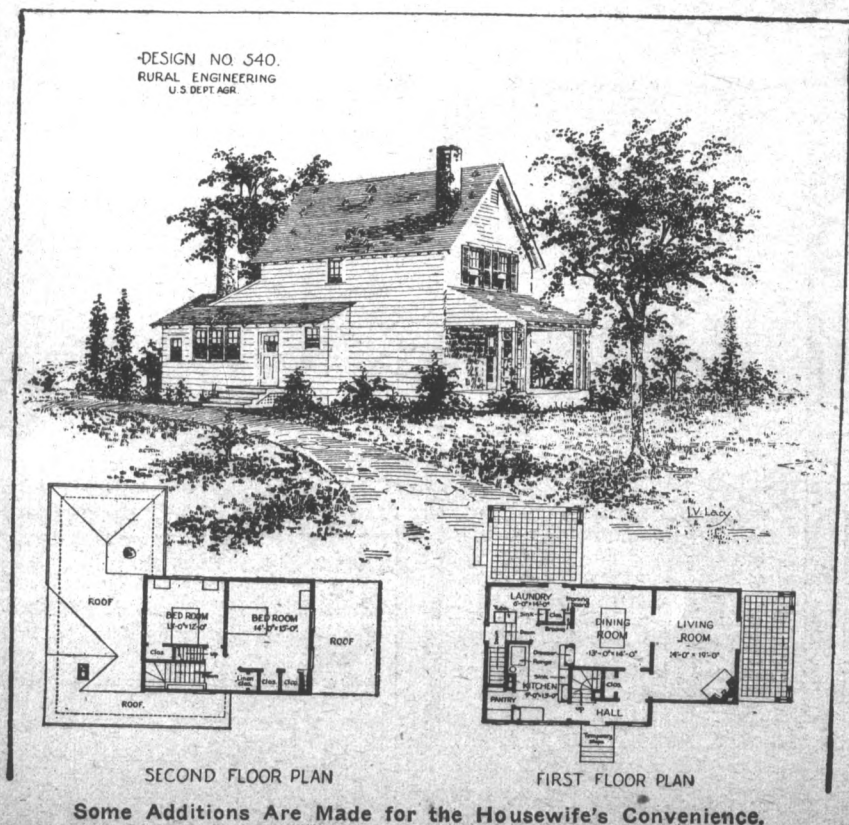
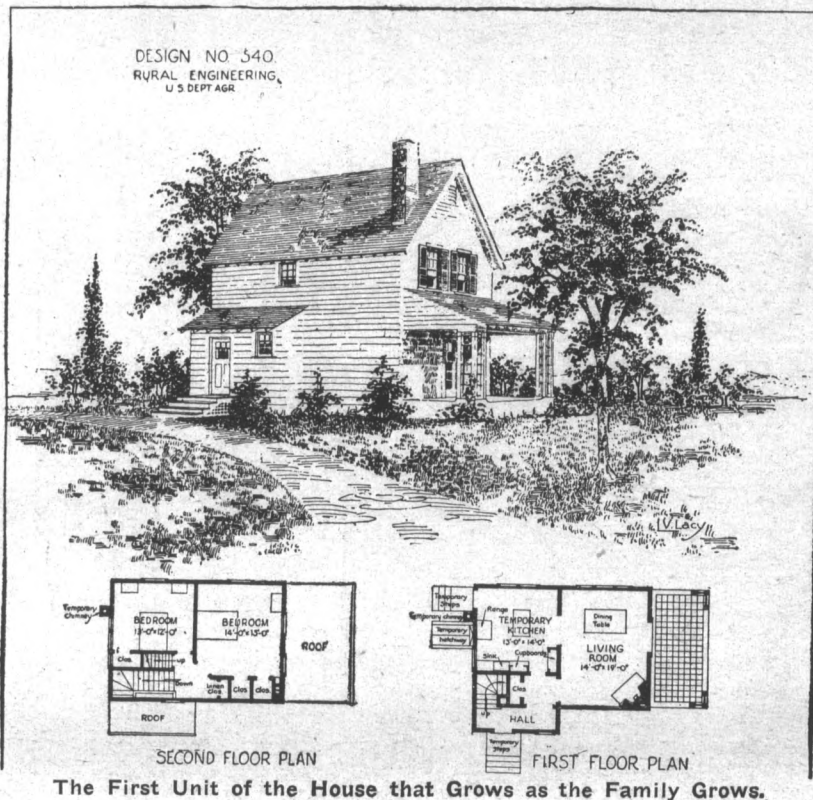
and dining-room, where a pass cupboard enables the dishes to be put through from one room to the other. Besides the cupboard for dishes, there is a pantry for food supplies.

Space is provided for two stoves, the coal or wood stove for winter, and oil or gasoline for summer. Over the stoves is a built-in hood opening into a ventilating flue, which removes all odors from the kitchen. A screened porch may be built next to the laundry, and used as an outdoor dining-room.

The next addition to the house will provide an extra bedroom and a bath. This will involve a one-story addition, pictured in Fig. 3. Note that all parts of the house, living-room, dining-room, bedroom, bath and stairway, are all reached from this hall. A side porch makes it convenient for the housewife to answer the door, without the necessity of admitting chance callers to the kitchen or living-room.

The final addition will be to raise the addition to two stories, providing extra sleeping-room above, and the building of an icehouse and woodhouse, or coal house, at the rear. This icehouse is really a large refrigerator, with bunkers so built that it need only be filled twice a week. It is so planned that it is unnecessary to enter the house to fill it.

Working plans may be obtained by writing the Division of Rural Engineering, Bureau of Public Roads, Department of Agriculture, Washington, D. C. In writing ask for Design No. 540.



The Time to Be Religious

Our Weekly Sermon—By N. A. McCune

BE not deceived, God is not mocked. That is where many people make a serious mistake. They think God can be mocked. They believe that He does not keep accurate books, that He is not efficient in the running of His big world, and that it is safe to impose on Him occasionally. To "mock," literally means to turn up one's nose. So there are many in our time who think it perfectly safe to turn up one's nose at the ever living God. The ancient Hebrews thought so. They practiced all manner of dishonesty and oppression on the poorer classes. One day a man came to one of their cities and warned them to seek God, cease evil doing, practice justice and deal squarely with the poor. They listened to this farmer, for he was a farmer, they were impressed with his splendid command of language, but they did not cease their evil ways. But the years passed and one day, lo- the conqueror came, the people were too weakened to resist, their cities were burned, and then began the long march into captivity. And one may be certain, that, as the long lines of prisoners chained together marched away from the land they loved, never to see it again, and as they looked back and saw the smoke of their beloved Jerusalem ascending skyward, that they thought of the warnings they had received from the prophets. "Be not deceived," they had been told over and over. "God is not to be laughed at. You cannot turn up your nose at Him. But they had thought the prophets were a bit old-fashioned, and it was safe to fool with the divine laws.

A certain nation in recent times thought the same thing. It taught that war overtopped all other considerations. If treaties were in the way of success, so much the worse for the treaties. If smaller nations had to be trampled on for the sake of military victory, their rights were not to be considered. The gospel of Treitschke was substituted for the gospel of John, and the teachings of Nietzsche were substituted for those of Christ. It was perfectly safe to turn up the national nose at God. The laws of men are more to be respected than the laws of the ten commandments. But the day came, as come it always does, that that nation learned of its fearful mistake. Some way, the slow-moving God, who seemed so indifferent as to those who served Him and those who flouted Him, was aroused, and He smote heavily. "The mills of God grind slowly," but they do grind.

HE that soweth to the flesh shall of the flesh reap corruption." Now the word flesh as used here does not mean the flesh of the body, but the whole round of material life, untouched by the spiritual. One who spends his time and energy on the things of this life do not last. They will disappear. They are not a safe permanent investment. Today much is said about investments. People are urged to invest where they will receive immediate and large returns. On the other hand, wise investors know the danger that lurks behind many of these alluring offers. I knew a man who put sixty-seven thousand dollars into turpentine plantations in the south. The money had been left to him, and it was all he had. He never saw it again. For years afterward he drove a dray, and a little dog was his companion. He had not invested. He had sowed with poor judgment. It may not be terribly bad for a man to spend his whole energies on the things that

pass away with this life. But he is a fool. He is making a poor investment of the most wonderful capital that God has intrusted to men.

In other words, now is the time to make wise investments of our time, our money, our ability, our influence. Now is the time to be religious. Lord Bryce is probably the best informed foreigner on American problems, and he asks, "Is America Christian, and is England Christian?" For if these nations are not Christian in a real and abiding sense, the rest of the world will not have the leadership it so sorely needs. Education ought to be religious. As one looks over the modern world, he sees what havoc an educated man who is bad at heart can create. To educate a man in head and not in heart is dangerous business. The men who are creating consternation in the money world with their colossal defaults, and their wrecking of banks, are educated men. An ignoramus can pick a Ford lock and run away with the Ford, but only an educated man can disrupt a financial institution, such as we have seen of late. That is the tragedy of much of our modern way of doing things. We educate the head, while the heart remains pagan. It is time for education to be religious. It is time for the law to be religious. Prohibition is not a fact. We have deceived ourselves in thinking it was. Prohibition is still on trial. It is still in its preparatory stages. Hundreds of men think it a delightful joke to violate the prohibition laws who would not steal a horse, or forge a check. There is but little conscience on this. Yet any honest man knows that the nation is better, far better, without liquor than with it. Is there not a way for us to apply religion to our conception of the law? If force must be used at first, to persuade violent and conscienceless men, then let us use force.

AND the home must be religious. You cannot mock God in the home without hearing from it, eventually. Religion in the home counts and it counts big. Poor Robert Burns got away from the teachings of the kirk in Scotland but he never got so far that he did not remember his father's prayers, and the daily reading of the Bible. It is time, too, for the church to be religious. That may sound humorous, and is not. The church is not always as religious as it might be. And when it is religious, there are results. It is not a happening that the great historical revivals have been accompanied by a revival of the reading of the Bible. If the average man who is so busy with the temporary would spend a bit of time daily with his Bible there would result one of the greatest revivals of history.

Sowing to the flesh has serious results. The next generation hears from it. Children are born with the curse of their father's neglect and sin upon them. There is a familiar instance of one criminal family, all descendants of one woman, that produced in several generations seven hundred and nine criminals, and cost the state over a million dollars in court expense, jail expense, insane asylums, poorhouses, and the like. On the other hand, sowing to the spirit also has results. Good is more virile than evil. In the museum at Plymouth, Massachusetts, there is the cradle of little Peregrine White, the first white child in the Plymouth colony. And near it is the sword of Captain Myles Standish. Money could not buy those relics. They are associated with the brave deeds of the Pilgrim Fathers. That heritage of faith and daring abides with us to this day.

You remember the story of the Pitcher—

It made a good many trips to the well and it came back in good order.

"I can take care of myself," it said—"they don't need to talk about risks to me."

But it went once too often.

After that it was only part of a pitcher, and they didn't need to talk to it about risks—it knew.

A lot of people won't believe coffee can harm them until it does harm them.

"Nonsense!" they say, "it never disturbs me."

When it does disturb them, then they know.

Often the disturbance which they then recognize is the result of irritations to nerves and digestion which have been going on for a long time.

If you have to lie awake at night and count the clock ticks, after an evening cup of coffee, then you know that it's better to be safe than sorry.

The risk of coffee's harm is gone when the meal-time drink is Postum.

Here's a delightful and satisfying table beverage, with charm for the taste and without harm for nerves or digestion. You know you're on the right road with Postum; there's never the possibility that you'll go once too often.

Postum comes in two forms: Instant Postum (in tins) made instantly in the cup by the addition of boiling water. Postum Cereal (in packages of larger bulk, for those who prefer to make the drink while the meal is being prepared) made by boiling for 20 minutes.

"There's a Reason" for Postum

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Write for booklet. FertilEarth is sold everywhere.

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PRICES AGAIN REDUCED. We pay the freight and save you money. Direct from Factory to Farm. Laura Strubbin, Holden, Mo. writes: "The fence ordered of you arrived O.K. I saved \$14.00 on a \$34.00 order. You can't afford to buy fence until you get our Big Free Catalog showing 100 styles and heights of farm and lawn fence, gates, etc. Write today."
KITSELMAN BROS., Dept. 278 Muncie, Indiana.

Fouke pays trappers Big Money this year.

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Send for the Fouke Book—The Trappers' Partner—you'll need it if you're interested in trapping. Mail us a post card today and we'll send it to you immediately. Send to Fouke Fur Co., 85 Fouke Bldg., St. Louis, Mo.

The Trappers' Partner was written by P. B. Fouke, who has been the leader in the fur business in St. Louis for over 30 years. Tells you all about the Fouke Smoke-Out and the Fouke Animal Bait—sure money-makers for you. Lower trap prices if you order from Fouke.

Start right—Trap right—Ship right—this season. Write your name and address on Post Card and mail it today to the house that treats you right. **Fouke Animal Bait** Brings 'em from miles around—postpaid \$1.00 a can. Three cans \$2.50. **Fouke Smoke-Out** Drives 'em out into your traps—sure is a money maker. Sent postpaid with 10 ft. cable and 12 Fouke Smoke Shells, \$1.75.

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Our Free Book of Traps furnishes experience. Tells when, where and how to trap, quotes lowest prices on traps, baits, other supplies. A post-card will bring it. Write today.

Big fur money on every farm. A good night's work will yield big returns. Follow the lead of every "Old-Timer" and deal with this big, reliable, fifty-year-old house.

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Our Boys' and Girls' Page

Profit Through Club Work

Boys Gain Money-Making Ideas From Club Activities

IN the state of Minnesota, comprising eighty-six counties, there are 30,000 boys and girls who are actively engaged in club work, raising improved live stock, or corn, or making better bread.

Last year alone, the members of these clubs raised half a million dollars' worth of products.

Every year more than \$40,000 is spent in prizes to the boys and girls participating in the different contests, and every penny of it is worth while, according to the state officials who make the appropriations.

A thousand boys and girls are given free trips to the state fair, a short course at the College of Agriculture, or the International Live Stock Exposition every year.

Bankers in the state, promoting the calf and pig clubs, loaned \$100,000 to boys and girls last year, bringing in new and improved blood to hundreds of herds.

Besides engaging in contests and learning new methods, the boys and girls are getting practical results as farmers and home-makers.

One of the boys in a potato club wrote to the Minnesota College of Agriculture this significant statement: "When father saw that I was able to grow 400 bushels of fine potatoes to the acre on the same kind of land on which he grew 135 bushels an acre of rough, scabby ones, he was anxious to get my seed and to use the methods I used as a club member."

There is a story that is told of a thirteen year-old, of Sandy, Minnesota, who was the champion potato grower of the boys' and girls' clubs of the state in 1919. This little girl raised 664 bushels of potatoes to the acre, the record crop in the history of the state, and made a profit of \$528. So far has her fame traveled that the Finnish government obtained a picture of her, and is to publish her story in Finland as an inspiration to boys and girls there.

Each club member is required to keep a systematic record of his work, showing his expense and his income. At the end of 1920, reports of the boys and girls completing the year's work showed the total value of the products to be \$321,275.48, while the total costs were but \$147,426.82.

In other words, the boys and girls made a profit of \$173,848.66, which isn't bad farming.

But the educational value of the work to the state cannot be measured in money, according to T. A. Erickson, state leader of boys' and girls' clubs.

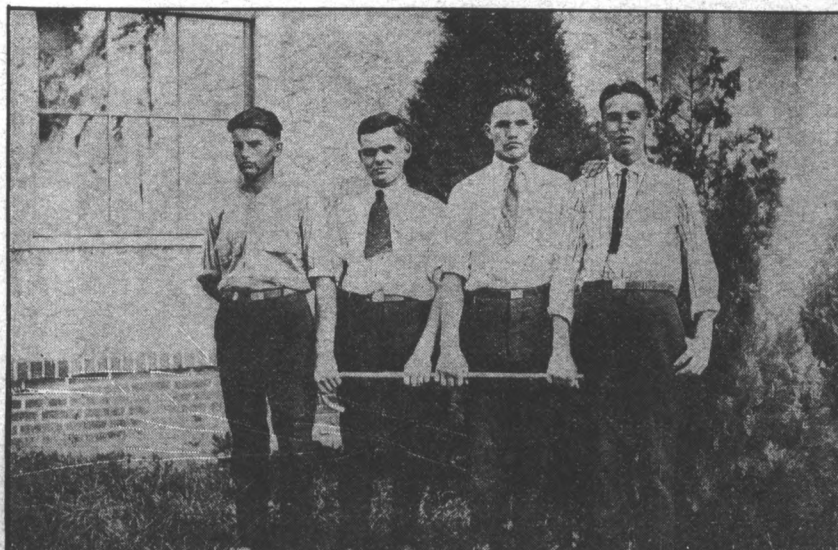
Club work socializes community life through the boys and girls and gives young people a real motive in all their work. They are trained through it for community leadership, and are taught that it is infinitely better to be a proprietor of farm land, farm animals, and farm machinery than to be a mere wage earner.—The Furrow.

CLUB WORK BRINGS OPPORTUNITIES FOR GIRLS.

HOW to take advantage of the opportunity close at home is a lesson a good many girls have learned through club work under the direction of the United States Department of Agriculture and the state agricultural colleges. Vera is a Florida girl, in her second year of canning club work. The one-tenth acre of tomatoes required of club members was faithfully cultivated this year, and also another tenth-acre plot which she planted in beans. Her tomatoes were the first on the market and sold for \$6 a crate. From the fresh tomatoes alone, not counting what she sold canned, she cleared \$161. The beans matured late and also brought a good price.

When school was over, Vera looked about for a profitable occupation. She lives near a vacant old store, which gave her an idea. Before risking any money on an uncertain venture, she experimented with a little cool-drink stand next to the store building. This did not involve much investment of her tomato money, and yielded good returns. It was soon evident that what the district really needed was a little grocery and bread store. Her first purchases in this direction were sold from the stand, but in a very few weeks her profits warranted renting the old store next to her little stand. Now she has about \$300 worth of stock, besides many cans of tomatoes and beans of her own raising to sell. She sews when there are no customers. She is banking an average of \$50 a week.

Michigan Club Team at National Dairy Show



Here are the boys who represented Michigan in the dairy cattle judging contest at the National Dairy Show at Minneapolis. They are Sidney Phillips, of Eaton county; William Peters, Dio Kellogg and Roscoe Simmons, of Calhoun county. William Peters stood fifth in the individual contests.

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Horse or Cow hide, Calf or other skins with hair or fur on, and make them into coats (for men and women), robes, rugs or gloves when so ordered, or we can make your hides into Oak Tanned Harness or Slaughter Sole Leathers; your calfskins into Shoe Leathers; colors Gun Metal, Mahogany Russet or lighter shade. Your goods will cost you less than to buy them and be worth more.

Our illustrated catalog gives a lot of information. It tells how to take off and care for hides; how and when we pay the freight both ways; about our safe dyeing process on cow and horse hide, calf and other skins; about the fur goods and game trophies we sell, taxidermy, etc.

Our Fashion Book, which heretofore has been a separate affair, has been incorporated in and made a part of our regular catalogue. It has Fashion plates of muffs, neckwear and other fine fur garments; also remodeling and repairing, together with prices and estimates. In ordering catalog, write name and address plain.

The Crosby Frisian Fur Company,
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\$45.00 PUTS THIS NEW MILL ON YOUR OLD TOWER

ALBION

Albion steel and wood mills are quiet and powerful. One-third the working parts of any other mill. Only main Pitman bearing subject to wear. This is oilless, and easily replaceable. Govers by dependable weight without springs. Fits any 4-post steel tower. Why not shorten your chore hours now with a good Windmill? This is your chance—**F. O. B. Albion.** Erect it yourself. Ask your dealer, or write direct to

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No. 528 N. Berrien Street,
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Farm Poultry

A BUSY MAN TO A LADY LOAFER.

"I don't care a darn if you're terrified!
I won't give a darn when you're
dead!"

My darkest suspicions are verified
When I gaze on the front of your
head!

"At your eyes, with the yellow around
them;

At your beak, for it's hardly a nose,
And then, to confuse and confound
them,

At your legs, where the same color
shows.

"You're yellow; so cut out the kickin'
You're yellow, so off comes your head!
Fine feathers don't make a fine
chicken,

When early in summer they're
shed!"

So spake, and with deep satisfaction,
The culling-wise farmer, and then
He suited the word to the action
And swatted the non-laying hen!

A FARM EGG RECORD.

AFTER reading the editorial, "Has Biddy Joined the Union," in a recent issue of the Michigan Farmer, it prompted me to send you my egg record for August, 1921. I have never kept a record before and now I am glad I did, for I was agreeably surprised at the end of August to see how many eggs we did get and how much they were worth.

Of course, August is a poor month to get a record as the hens are pretty well laid out before August and I am well satisfied that we got a great many more eggs in each of the five months previous to this record and that being the case we would still have six months to get quite a few more eggs.

We merely keep hens as a sideline and just feed in the old-fashioned farm way.

The record from fifty-two Barred Rock hens follows:

Date.	Eggs.	Date.	Eggs.
1.....	38	18.....	34
2.....	37	19.....	27
3.....	26	20.....	26
4.....	34	21.....	25
5.....	36	22.....	31
6.....	34	23.....	29
7.....	35	24.....	31
8.....	34	25.....	32
9.....	32	26.....	23
10.....	33	27.....	30
11.....	30	28.....	30
12.....	28	29.....	32
13.....	25	30.....	29
14.....	31	31.....	30
15.....	28		
16.....	33	Total.....	959
17.....	26		

Seventy-nine dozen and eleven eggs from fifty-two hens at thirty cents per dozen equals \$23.97. Does it pay?

Bay Co.

F. C. HORN.

FINISHING COCKERELS.

THE marketing of thin chickens is not conserving our meat supply, nor is it the most profitable method to producers. Present prices of market poultry admit of the liberal use of feeds, and the marketing of well-fleshed birds.

The best birds to flesh or fatten are those of the heavier breeds, such as Wyandottes, Rhode Island Reds and Plymouth Rocks. The light breeds, such as Leghorns, seldom pay to fatten unless they are very thin in flesh.

The birds intended for fattening should be placed in a pen, or in a slatted coop. The process is not difficult if you will pay attention to a few points that are essential.

Feed very lightly for the first day that birds are in the pen, but be sure to give them a drink (milk is best). Then feed gradually whatever birds will eat and leave no waste feed in the trough. Generally the most profitable gains are made during the first four-

teen to sixteen days' feeding. Such birds will not be very fat, but may be fat enough to cook and eat well. Some markets demand fatter birds.

The most profitable gains are made on those birds which weigh from three and one-half to four and one-half pounds when put up to fatten.

The grains fed should be finely ground and, if possible, should be mixed with sour milk, to a consistency of pancake batter. The more milk a chicken will take the more it will gain. Milk appears to have no good substitute for fattening chickens. If you cannot get milk, then add ten to fifteen per cent of meat meal to the ration, and mix with water. The addition of a little green food daily will help matters. Many people get better results by feeding a little salt. About one-half pound to one hundred pounds of dry grain is sufficient. This mixes best by being dissolved in water and adding a little at each feed. Be careful not to use too much.

The best grains available now are a mixture of ground barley, cornmeal, finely ground buckwheat, and shorts. Oats are good if part of the hull is sifted out, as are also ground brewers' grains, and shorts mixed with double the quantity of sour milk. In general, feed nearly one-third shorts and whatever finely ground grains you may have about a farm.

The essentials are to select healthy birds, keep pen clean and free from vermin. If chickens do not eat all feed in fifteen minutes, remove what is left from pen, and mix ground grain with sour milk if possible.

W. E. McMULLEN.

KEEPING TB. CHICKENS.

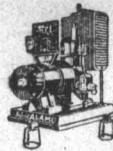
We have some four months' old pullets from eggs of a flock that showed signs of tuberculosis. Do you think there is any danger of these pullets developing the disease if they were put with a healthy flock?—E. G.

We doubt very much the advisability of your keeping the hens affected with tuberculosis or the pullets hatched from their eggs, as the two chief means of spreading this disease, is through the excrement of the diseased hens and through their eggs. Although the pullets may not show the trouble at present, it is likely to develop later on and even if it doesn't develop, it may show itself in the next generation. Tuberculosis is one of the most serious diseases which attack poultry. It causes greater loss than any other disease, and is one of the most difficult to handle.

A farm flock which is affected with this disease should be entirely disposed of, and then the poultry house and its surroundings should be thoroughly cleansed and disinfected before starting with new birds. In making the poultry house sanitary, one should collect all the droppings and litter for fertilizer. The floors, walls and ceilings should be thoroughly scraped so that no dust or dirt remains. All the hoppers, drinking fountains, nests and roosts should be removed and cleansed and everything in the poultry house and yard should be saturated with a good commercial coal tar disinfectant. Another application of the disinfectant should be made within ten days.

All places where hens might stray, such as under corn cribs and hogs pens, should be boarded up, sink holes and wallows should be filled with fresh dirt, and, if possible, places where the chickens have been allowed to run should be plowed and cropped.

We believe that it would pay you to be thorough in the eradication of this disease rather than to continue with the birds you now have on hand.



A TRIP through our big, new factory at Hillsdale, Michigan, with its modern equipment and methods, brings a deeper realization of the extreme care employed in building the Silent Alamo.

Mechanical perfection, which eliminates ruinous vibration and insures long, dependable power and light service, is the result. Our Silent Alamo booklet gives all the facts. Write for a copy.

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FARM ELECTRIC POWER AND LIGHT PLANT

THE PRACTICAL SIZE FOR SATISFACTORY SERVICE

The Extra Eggs
will soon pay for one of these
Automatic Self-Heating Poultry Fountains and Heaters
keeps water at the right temperature day and night in the coldest weather and
requires less than a quart of oil a week.
Steel. A long felt want supplied. Every Hen-House needs one.
Price of 1 Heater and 2 gallon Automatic Fountain complete \$1.15. Also made in 3 and 4 gallon sizes.
Write for Circular I and testimonials. Agents wanted.
C. A. S. FORGE WORKS, SARANAC, MICH.

POULTRY

PULLETS PULLETS

We are all sold out of 8-10 week old pullets. And are booking orders now for breeding pens of ready to lay Single Comb White Leghorn, 5 pullets or yearling hens and one choice cockerel for Oct. Delivery. These birds are all raised by us from our bred to lay American-English strain. None better any where, regardless of what price you pay. They must be seen to be appreciated. Get ready for next year breeding season by ordering a pen of these, splendid birds and increase the profits from your flock. Choice breeding cockerel.
Price on application.

Macatawa White Leghorn Co. Inc.,
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Yearling Hens and Pullets
This stock is all selected Pure Breed Practical Poultry, late moulters and good layers, 3000 Yearlings, limited number pullets. Guaranteed good practical quality. We will send you description of fowls and egg records. If you want first class paying Leghorns, write to us.
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Baby Chicks \$15.50 a 100 and up.
Postage PAID. 95% live arrival guaranteed. FREE feed with each order. 40 breeds chicks, 4 breeds ducklings, Select and Exhibition grades. A hatch every week all year. Catalogue free. Stamps appreciated.
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Parks 200-egg strain. From stock direct from Parks best pedigree pens. \$3 each. R. G. KIRBY, Route 1, East Lansing, Mich.

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Send your order in early for 1922 delivery. Our prices are always reasonable. We give you a square deal.
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Barred Rocks, W. Wyandottes, R. I. Red cockerels from bred-to-lay stock.
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BOOKING—1922—ORDERS B-A-B-Y C-H-I-X

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\$16.00 per 100 and up. Hatching eggs, \$2.00 to \$15.00 per setting and \$9.00 to \$15.00 per 100, from 25 varieties of pure bred, farm raised fowls: Chickens, Geese, Ducks, Turkeys and Guinea. Price list and circular free. Plenty of nice breeding stock. Book now for early spring delivery.
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Barron Strain year old hens for sale from best utility stock at \$1.30 each. Get a pen of these and start right.
BYRON CENTER POULTRY FARM, Byron Center, Mich.

Barred Plymouth Rock Cockerels, large birds from prize-winning heavy-laying strain \$5.00 each. J. A. Barnum, Union City, Mich.

Cockerels and pullets for sale from M. A. C. Round-up champions, vigor fine, range raised. \$5.00. Chas. H. Wright, Jones, Mich.

English S.C.W. Leghorns. Early hatched pullets and choice yearling hens at reasonable prices.
Robt. Christopher, R. 4, Holland, Mich.

Top Quality Cockerels Minorcas, Houdans, Spanish, Tyron Poultry Farm, Fenton, Mich.

WHITE LEGHORNS
Lay 265 to 300 eggs per year. Winners at 50 shows. Chicks, eggs, pullets, hens and males shipped C.O.D. at low prices. Write today for catalog and complete information to the World's Largest Leghorn Farms.
GEO. B. FERRIS, 934 Union, Grand Rapids, Mich.

RHODE ISLAND WHITES
win over all breeds at the egg laying contest. 30 eggs \$5; 50 \$8; 100 \$15 order from this ad. Some chicks.
H. H. JUMP, R. 5, Jackson, Mich.

Pullets and Breeding Stock
8 varieties, also ducks and geese. Send for prices.
BECKMAN, 26 E. Lyon, Grand Rapids, Mich.

PURE BRED White Rock cockerels for sale. Fishel strain; \$3 each.
EMMA T. WISEMAN, Roscommon, Mich.

Whittaker's R. I. Reds
Michigan's Greatest Color and Egg strain. Both Combs. Write for free catalog and our new proposition in regard to good breeding cockerels.
INTERLAKES FARM, Box 39, Lawrence, Mich.

WHITE WYANDOTTES
207 egg average; cockerels \$5 each, 3 for \$14, 6 for \$25.
FRANK DeLONG, R. 3, Three Rivers, Mich.

Barred Plymouth Rock cockerels, pullets, and yearling hens. 200 egg laying strain. Prices reasonable. Mrs. H. P. Schulze, Laingsburg, Mich.

Single Comb Buff Leghorn cockerels, April and May hatched. Large lively fellows. Noted laying strain.
Willard Webster, Bath, Mich.

W. Chinese Geese, Pekin Ducks, R. C. Br. Leghorns.
MRS. CLAUDIA BETTS, Hillsdale, Mich.

Mammoth Pekin Ducks Fine breeding stock.
J. W. Drake Farm, R. 4, Pontiac, Michigan.

Turkeys Michigan's Best Giant Bronze. Splendid pure bred birds. Early prices low to reduce large flock. N. Evelyn Ramsdell, Ionia, Mich.

Mammoth Bronze Turkeys BOTH SEX.
MRS. EUGENE RAMSDELL, Hanover, Mich.

Pure Bred Bronze Turkeys BOTH SEX.
MRS. WM. TANTON, R. 1, Deckerville, Mich.

BREEDERS' DIRECTORY

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

THE HOME OF

Imp. Edgar of Dalmeny

Probably
The World's Greatest
Breeding Bull

Blue Bell, Supreme Champion at the Smithfield Show 1919, and the Birmingham Show 1920, is a daughter of Edgar of Dalmeny.

The Junior Champion Bull, Junior Champion Female, Champion Calf Herd and First Prize Junior Heifer Calf, Michigan State Fair, 1920, were also the get of Edgar of Dalmeny.

A very choice lot of young bulls—sired by Edgar of Dalmeny are, at this time, offered for sale.

Send for Illustrated Catalogue.

WILDWOOD FARMS

ORION, MICHIGAN

W. E. SCRIPPS, Prop. Sidney Smith, Supt.

CLOVERLY ANGUS

Cows and Heifers Bred to
Blackcap Brandon of Woodcote 2nd
For Sale

GEO. HATHAWAY & SON, Ovid, Mich.

REGISTERED Aberdeen-Angus. Ten heifers, six bulls from eight to fourteen months. Best of breeding, the growthy kind that make good. Reasonable. Inquire F. J. WILBER, Ohio, Mich.

Reg. Aberdeen Angus

bulls and heifers of the very best of breeding, from 12 to 15 months of age. For next 30 days will price bulls at \$100.00. Real bargains. Inspection invited. RUSSELL BROS., Merrill, Mich.

Registered Guernsey Bulls for sale. 2 sired by Gay Boy of Halcyon. 1 sired by Avondale's Choice. All one yr. old, ready for service. 1 born July 26th 1921, sired by Avondale's Choice. All beautifully marked fawn and white. Address Dr. W. R. Baker 4800 Fort St., West. Phone West 629. Detroit, Mich.

Wallinwood Guernseys

Bull calf and yearling bull for sale.
F. W. WALLIN, Jenison, Mich.

Registered Guernseys—\$100 buys the last bull we have, old enough for light service—it will pay you to find out more about this fellow. No reactors—no abortion—a clean herd. J. M. WILLIAMS, No. Adams, Mich.

GUERNSEYS—REGISTERED
BULL CALVES
Containing blood of world champions.
HICKS' GUERNSEY FARM, Saginaw, W.S. Mich.

4 Guernsey bulls 10 to 15 mos. old. Accredited herd 4 no. 9407. 1st prize yearling and calf at Jackson. Grandsons of 3rd A. A. class leader, Carrie of Hillhurst, 814 lbs. b. f., out of A.R. dams. Priced to sell. G. W. and H. G. RAY, Albion, Mich.

Guernsey Females of superior breeding, at reduced prices. Tuberculin tested. Send for sale list to day. G. A. Wigent, Watervliet, Mich.

For Sale Register Guernsey bull calves out of A. R. dam, \$40.00 each if taken soon. JOHN EBELS, R. 2, Holland, Mich.

For Sale cheap, young Guernsey bull ready for light service, federal tested, sired by our grand champion bull from the W. W. Marsh herd of Waterloo, Ia. A. HATT & SON, Napoleon, Mich.

WinnWood Herd

Registered

Holstein-Friesian Cattle

We breed them to sell. If you are looking for seed stock, we have it.

John H. Winn, [Inc.]
Rochester, Mich.

"Top Notch" Holsteins

Special Bargains in Young Bulls

No. 1 Segis Moonlight Pietertje King, No. 307706, born Feb. 12, 1920. His sire's two nearest dams average 36.32 lbs. His dam is a 22.58 lb. 3 1/2 yr. old daughter of a cow that produced 104 lbs. milk in a year and 624 lbs. milk in 7 days. She sold at auction for \$1,300.00. Price \$150.00 f. o. b. Howell.

No. 2 Village Moonlight Colantha Sir Aaggie, No. 333126, born Sept. 26, 1920. His sire is the sire of bull No. 1. His six nearest dams average 28.01 lbs. Price \$125.00 f. o. b. Howell.

No. 3 King Vale Nijlander, No. 533123, born Sept. 19, 1920. His sire is the sire of bull No. 1. His five nearest dams average 27.72 lbs. Price \$100.00 f. o. b. Howell.

McPherson Farms Co., Howell, Mich.
All herds under U. S. Supervision.

Four 32 lb. Yearling Bulls

Sired by SEGIS KORNDYKE DENIJLANDER, a 32 lb. son of a twice Michigan State Ribbon winner; her dam 29 1/2 lbs. One these calves from a 30 lb. dam, one a 28 1/2 lb. dam, one a 19 lb. 3 yr. old with only 1/4 udder, one 16 lb. 2 yr. old. Two of dams are daughters of King Segis Pontiac, a 37 lb. son of King Segis. Federally tested June 10. Herd under State and Federal supervision. Priced at half value. A. G. WADE, White Pigeon, Mich.

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

Four Reg. Holstein heifer calves 4 weeks old. Price reasonable for quick sale. CHAS. S. RILEY, R. 1, Metamora, Mich.

SECOND ANNUAL SALE

Big Type Poland Chinas

40—HEAD—40

Tried Sows, Fall Yearlings, Spring Boars and Gilts
November 3rd, 1:30 P. M. at Elsie
Farm Five Miles West of Town

These animals are from such noted boars as Gertsdale Timm, 323765, by Gertsdale Jones Noble Ruler, by The President, Brewbaker's Giant 438253, by K's Big Jones' litter mate to Grant's Great Giant, Peter the Great, Columbia Giant, D's Big Jones and Nobleman—said to be the greatest litter ever farrowed.

Here is a real chance to put some "Giantess" blood in your herd. It is the greatest strain of Poland China swine yet developed. In this offering are great prospects in boars and gilts.

They are from dams weighing up to 900 pounds and sired from such outstanding boars as Big Type King, Gertsdale King, Gertsdale Timm, Gladiator, the great Linc Luken's boar, Black Big Wonder, Clansman, Monroe's Jumbo and others.

All Stock Double Immuned

Write for Catalog.

Send Mail Bids To Auctioneer In Our Care.

W. Brewbaker & Sons, Elsie, Mich.
Auctioneers: Carry A. Eckhardt, Dallas City, Ill.
Howard Rideniour, St. Johns, Mich.

THIRD ANNUAL SALE

BIG TYPE POLAND CHINAS

WED. NOV. 2, 1921

This sale will be held at the farm 8 1/2 miles due N. of Lake Odessa, and 8 1/2 miles southwest of Ionia. We will meet all trains at Ionia and Lake Odessa, forenoon of sale.

We are consigning a better offering than we have ever before run through the sale ring. George Aldrich, Ionia, Mich. and L. B. Stokes, Greenville, Mich. are co-operating with us to make this offering a top one. Mr. Aldrich is consigning 10 head of "hand picked" gilts. They go with breeding privilege to his Liberator boar. Mr. L. B. Stokes is placing his great sow, Mollie Jumbo, in the sale along with Giantess Maid and Queen Wonder. Mollie Jumbo was Grand Champion last year at Grand Rapids and Giantess Maid was 2nd in class.

We have a wonderful litter by Checkers—real stuff—several daughters of The Clansman with the \$1025 Miss Columbia and Gerstdale Jessie their respective dams; also a great fall yearling Clansman boar out of Miss Columbia. We will run the best spring boars and gilts in the ring ever on the farm. He have a wonderful boar in their sire, Emancipator 2nd. He will be on exhibition sale day.

Write to

WESLEY HILE, IONIA, MICH.

for catalog

—47 HEAD—

Auctioneers: Harry Eckhardt, Dallas City, Ill.
E. E. Slye, Ionia, Mich. N. C. Thomas, Caledonia, Mich.

The Southern Mich. Breeders Consignment Sale

FRIDAY, NOV. 18, 1921

AT

THE FAIR GROUNDS, JACKSON, MICH.

Will contain cattle from herds under Federal Supervision only and many will be from Fully Accredited Herds including the complete Dispersal of one Fully Accredited A. R. O. Herd.

You can buy these cattle on terms as time will be given responsible purchasers. Bring bank reference.

All cattle will be sold on 60 to 90 day retest guarantee.

For catalog address,

The Michigan Holstein-Friesian Association,

Sale Mgrs.

Old State Block, Lansing, Mich.

Holstein Friesian heifer and bull calves, purebred registered and high-grade. Price \$20 up. Splendid individuals and breeding. Write us your requirements. Browncroft Farms, McGraw, N. Y.

Reg. Holstein Friesian bulls sired by a gdson of King of the Pontiacs, ages from six months to one year old, nicely marked and good individuals priced to move them to make room for winter calves. Herd under Federal and State supervision, haven't had a reactor in the herd. Henry S. Rohlf, R. 1, Akron, Mich.

Holstein-Friesian pure-bred bull calves, also good grade heifers; tuberculin tested. Prices are right. Larro Research Farm, Dept. A, North End, Detroit, Mich.

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.

A BLUE RIBBON WINNER

YOUNG BULL

On the 1921 Show Circuit For Sale at a low price. Out of an A. R. O. granddaughter of Pontiac Korndyke. Sired by our SENIOR SHOW BULL, Model King Segis Glista 32.37 lbs.

GRAND RIVER STOCK FARMS,
Corey J. Spencer, Owner
111 E. Main Street, Jackson, Michigan.
Herd Under State and Federal Supervision

Reg. Holstein Bulls ready for service sired by a 42 lb. bull. Priced to sell, also a few heifers and calves. B. B. REAVY, Akron, Mich.

Bull Bargain, \$100 gets a light colored bull ready for service born Apr. 11, 1920, from 21.51 lb. dam, and sire whose six nearest dams av. 33.34 lbs. butter 7 days. Herd under state and Federal supervision. Oscar Wallin, Wisconsin Farm, Unionville, Mich.

Herefords

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

ALLEN BROS.,

(Farm at Paw Paw, Mich.)

Office 616 So. West St., Kalamazoo, Mich.

Jersey Thoroughbreds

Few cows and bull calves. Best breeding line. Guaranteed. Tuberculin tested twice a year. If you have no money will take bankable note. E. W. Vassary, 411 Free Press Building, Detroit, Mich., Main 1267.

BUTTER BRED JERSEY BULLS
CRYSTAL SPRING STOCK FARM,
Silver Creek, Allegan County, Michigan.

The Wildwood Farm

Jersey Cattle, Majesty strain. Herd on State accredited list. R. of M. testing constantly done. Bulls for sale. ALVIN BALDEN, Phone 143-5, Capac, Mich.

Lillie Farmstead Jerseys Bull calves from R. of M. cows. COOLON C. LILLIE, Coopersville, Mich.

JERSEY BULLS For Sale bulls ready for service. Raleigh, Majesty, Oxford Lad breeding. WATERMAN & WATERMAN, Ann Arbor, Mich.

Jersey Bulls For Sale ready for service from R. of M. dams. T. B. tested. Will give time. SMITH & PARKER, R. 4, Howell, Mich.

BIDWELL SHORTHORNS

BUY A BULL

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

BIDWELL STOCK FARM,
Box D, Tecumseh, Michigan

Richland Shorthorns

We offer a few choice Scotch heifers with calves at foot. This is good foundation stock and the calves are all from top sires. Prices reasonable. Write your wants and see the cattle.

C. H. PRESCOTT & SONS,

Office at Tawas City, Mich., Herd at Prescott, Mich.

The Maple's Shorthorns

Kirk Levington Lad, by imported Hartforth Welfare, in service. Bulls and heifers for sale.

J. V. Wise, Gobleville, Mich.

Shorthorns. Bull calves for sale from the best milking blood obtainable. ROSEMARY FARMS, Williamston, Mich.

BUY SHORTHORNS of Central Michigan Breeders' Association at farmers' prices. Write for sale list to M. E. Miller, Sec'y, Greenville, Mich.

BUY THE KIND

that are improving the breed. We won grand champion bull, junior and reserve champion bull, first in calf herd and first in get of sire at the Michigan State Fair. Some promising young bulls for sale. Get our prices. CARR BROS. & CO., Bad Axe, Mich.

Milking Shorthorns, accredited herds, males and females, low prices. Davidson and Hall, Beland and Beland, Tecumseh, Mich.

Shorthorn Bulls and heifers for sale, of the milking strain. CHARLES BRAY, Okemos, Michigan

For Sale Scotch and Scotch Topped males and females, any age, prices right. Address Northwestern Michigan Shorthorn Breeders' Ass'n. Roy F. Zimmerman, Sec'y, Traverse City, Mich.

Shorthorns at bargain. Cows and young bulls ready for use. Spring calves, either sex, also Poland China pigs. Robert Neve, Pierson, Mich.

Milking Shorthorns of best Bates breeding, bulls, cows and heifers for sale. E. H. KURTZ, Mason, Mich.

FOR SALE Young Shorthorn bulls and heifers, registered. Fine stock. JAMES NEAD, Sunfield, Mich.

Reg. Red Polled Cattle, our herd headed by Famous Charmer, Grand Champion Michigan State Fair, Under State and Federal supervision, no cattle for sale at present. Westbrook Bros., Ionia, Mich.

HOGS

Berkshire spring pigs, either sex, \$10, \$12 and \$15 according to age. Also fall gilts and yearling sows. CHASE STOCK FARM, Marietta, Mich.

EVERY'S BERKSHIRES. Winners at International 1920. State Fair 1920-21. Choice large type spring pigs, either sex. Satisfaction guaranteed. W. H. Every, Manchester, Mich.

Duroc Jerseys A few extra good fall boars, and a choice lot of spring boars of the heavy boned type popular blood lines at reasonable prices. DRODT & BERNIS, Monroe, Mich.

Brookwater Duroc Jerseys

SPRING BOARS sired by Panama Special 55th, Big Bone Giant Sensation and Brookwater Demonstrator. The best of the breed. Order one by mail or come to the farm. You will like them when you see them. Prices reasonable.

BROOKWATER FARM, Ann Arbor, Mich.
H. W. Mumford, Owner J. B. Andrews, Mgr.

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



Spring pigs by Walt's Orion, First Sr. Yearling

Detroit, Jackson, Gd. Rapids and Saginaw 1919
Phillips Bros, Riga, Mich.

Duroc Jersey Swine

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

Thos. Underhill & Son, Salem, Mich.

Woodlawn Farm Duroc hogs are from select breeding stock, well mated for size, type and color. Herd boars, sows and pigs, will ship C.O.D. and furnish Reg. certificate. W. E. Bartley, Alma, Mich.

PEACH HILL FARM

Offers gilts sired by or bred to
Peach Hill Orion King 152489
INWOOD BROS., Romeo, Michigan

DUROC SOWS and gilts bred to Orion King No. 169259 Son of the \$10,000 boar owned by Longview Farm, Le Summit, Mo. also young boars ready for service out of good sows. Apply THE JENNINGS FARM, Bailey, Mich.

DUROC JERSEYS

spring boars that will improve your hogs, of Orion Cherry King, Col., and Pathfinder breeding, at reasonable prices. Write us your wants. Bred sows and gilts all sold. W. O. TAYLOR, Milan, Mich.

GUERNSEY SALE AT M. A. C.

THE first annual consignment sale by the Michigan Guernsey Breeders' Association, held at M. A. C., on Wednesday, October 18, was highly successful, both in the interest aroused and the prices obtained. Sixty-seven animals, of which a large number were young stock, were auctioned off at a price averaging about \$175. The highest sale figure was \$475, paid by W. H. Whittier, of Grand Rapids, for Bud's Nancy of Two Oaks, offered by H. W. Wigman, of Lansing. An unusual feature was the fact that only one animal went to a buyer outside the state. That was to Waukesha, Wis. About three hundred persons attended the sale. Most of the stock was offered by breeders in central Michigan and was taken by men from Charlotte, Grand Rapids and Saginaw for the most part.

HOLSTEIN SALE AT HOWELL.

THE eighth annual sale of the Howell Sales Company, held at Howell, October 21, was well attended. Ninety head of pure-bred Holsteins were offered. On the better animals the bidding was spirited. Over ninety-five per cent of the sales were made to parties living within a radius of fifty miles of Howell. One animal was sold to a New Jersey buyer. The animals bringing \$200 or more are as follows:

Glee De Kol Mercedes 3rd 464237, consigned by W. I. Griffen, to E. B. Ramsey, Lansing, \$220.

Crook Brook Aagie 2n 301668, consigned by W. L. Meyer, Fowlerville, to J. R. Monroe, Owosso, \$365.

Maple Hill Mercedes De Kol 526332, consigned by B. Allen, Fowlerville, to Arthur Butler, Pinckney, \$220.

Belle Pontiac Howell 356708, consigned by B. Allen to W. S. Hoffman, Flint, \$330.

Maple Plane Johanna Segis 563112, and Mercena De Kol Flanders 568318, both consigned to G. Wakefield, Fowlerville, and both to Livingston County Infirmary, Howell, at \$220 each.

Princess Mobil Korndyke 543231, consigned by S. M. Yerkes to G. L. Spillane & Son, Clio, \$200.

Fertile Valley Calamity 528375, consigned by M. Roche, Fowlerville, to A. S. Cobb, Stockbridge, \$225.

Korndyke Johanna Renown 552427, consigned by M. Roche to Livingston County Farm, \$240.

Genesta Ray Apple Rosewood 390-745, and Alfalfadale Pontiac Sue 256-603, consigned by Mussolf Bros., of South Lyons, to Mrs. W. M. Dix, of Laingsburg \$240 and \$220 respectively.

King Korndyke Segis Texal (male), consigned by Musolf Bros., to Milton Hartman, Northville, \$300.

Cluny Segis Johanna 508764, consigned by R. B. McPherson, Howell, to W. L. Hoffman, Flint, \$250.

Cluny Mobil Cantrilla Elsie 532692, consigned by R. B. McPherson to R. McCrory & Son, South Lyons, \$210.

Beauty Queen Colantha Lorena 288-951, consigned by T. Crandell, Howell, to E. P. Kennon, Okemos, \$210.

Carrie Pontiac Korndyke, consigned by Alfred Pfau, Howell, to Baldwin & Newlin, Bennington, \$250.

Segis Vale Mobil Prince 349948 (male), consigned by McPherson Farms Co., Howell, to Walker-Gordon Farms, Plainsboro, N. J., \$265.

Ceaderbrook Daisy Korndyke 392944, consigned by A. R. Pfau, Howell, to A. M. Glover, Fowlerville, \$210.

Korndyke Grant Lass 400777, consigned by M. Roche, to A. L. Smith, Howell, \$210.

Rougemont Beryl Wayne Rose 277-612, consigned by Musolf Bros., to A. W. Copeland, \$300.

THE MICHIGAN FARMER SAYS:

Clean up and cheer up.
It is better to grow nitrogen than to buy it.

Green manure puts pep into the soil. Biddy makes bigger profits when she has a good supply of clean water or milk before her at all times.

Owners of tile drains should see that the outlets are clear of all accumulations to prepare for heavy duty this fall and next spring.

A day devoted to the destruction of harbors where insects stop off over winter will bring dollars to your another year.

Pork is made more cheaply when the hogs are fed a good mineral ration like a mixture of equal parts of wood ashes and salt.

The final test of good breeding is actual performance.

When photographing live stock always stand the animals with their heads uphill.

50
HEAD

HILLCREST FARM WILL SELL Big Type Poland Chinas Tuesday, Nov. 1, 1921

at the farm, two miles south-west of Hopkins, Mich. and eight miles north-east of Allegan, Mich.

THE OFFERING CONSISTS of tried sows, fall yearlings, 35 spring gilts and a few choice boars that will make extra large herd sires.

AS A SPECIAL ATTRACTION we are listing for sale the great sow OLD FASHION, by Hillcrest Bob, by Big Bob (one of the greatest progenitors of the big-type breed); dam by Grand Master (the first boar shown actually weighing over 1100 lbs. and the grand-sire of a \$50,000 boar and \$17,200 sow).

WE WILL ALSO SELL a few choice fall yearlings by BIG SMOOTH JONES, out of dams by MASTODON WONDER (sire of the 1917 grand champion).

TO ACCOMMODATE THOSE COMING by train or interurban, free auto service will be provided.

PUT DOWN THE DATE and be sure to be at the sale. Write Hillcrest Farm, Kalamazoo, Mich. for free catalog.

F. B. LAY, Kalamazoo, Mich.

DEN BLEYKER BROTHERS, Allegan, Mich.

O. I. C. HOGS

all ages sired by Callaway Edd 1918 world's grand champ. boar and C. C. Schoolmaster 1919 world's grand champion also Wonder Big Type and Giant Buster. Write your wants, all stock shipped on approval.

CRANDELL'S PRIZE HOGS,

Cass City, Mich.

Farewell Lake Farm

Breeders of the Real Large Type

Poland China Hogs Sale Wed. Nov. 9

This offering will consist of

Twenty sows
Three tried sows
Seventeen Spring Gilts
Twenty Head of Spring Boars.

Everything Double Treated and Certificate of Treatment with each and every Hog.

I will transfer and record at my expense.

W. B. RAMSDELL,

R. F. D., Hanover, Mich.

Write for Catalog

Large Type Poland Chinas

Spring pigs of either sex. Sired by Latest Fashion, by Fashion Wonder A few good open gilts and one yearling boar. Priced to sell. Write or come and see them.

J. L. SIMPSON,

R. R. 2, Hartford, Mich.

HOGS

DUROC BOARS at \$20 to \$40, these are good ones sired by Michigan Orion Sensation, Michigan Demonstrator, Pathfinder Prince and Big Bone Giant Sensation. Inspection invited. Satisfaction guaranteed. Michigan Farm, Pavilion, Mich., Kalamazoo Co.

DUROC pigs 2½ to 4 months old, either sex, big bone, prolific strain. Superior individuals and breeding. Price reg. 12 to 15 dollars. Satisfaction or money back. WEST VIEW FARM, B. E. KIES, Hillsdale, Mich.

Have some choice spring boars sired by Great King Orion Col. No. 189045, double immune, priced reasonable. HARRY FOWLER, Sturgis, Mich.

DUROC JERSEYS

Bred gilts all sold. Choice spring boars by Brookwater Demonstrator. RUSH BROS., Oakwood Farm, Romeo, Mich.

Pure-Bred Duroc Jersey Hogs: we usually have good boars and sows of all ages for sale. Reasonable prices. Larro Research Farm, Box A, North End, Detroit, Mich.

DUROC JERSEYS Am booking orders for fall pigs. E. D. HEYDENBERG, Wayland, Mich.

For Sale: Duroc Jersey Boar 1 year old, 3d West Michigan. Price \$80. Also several good spring boars and gilts after prize winning stock, at reasonable prices. Frey Bros., R. 1, Caledonia, Mich.

Chester Whites quality March boars and fall pigs at a very low price, satisfaction guaranteed. F. W. Alexander, Vassar, Mich.

CHESTER Whites—Fall pigs only, for sale. A combination of Wildwood Prince and Big Sensation blood lines. G. D. Springer, R. 6, Grand Rapids, Mich.



I HAVE started thousands of breeders on the road to success. I can help you. I want to place one hog from my great herd in every community where I am not already represented by these fine early developers—ready for market at any month of the year. Write for my plan—More Money from Hogs. G. S. BENJAMIN, R. F. D. 10, Portland, Michigan

O. I. C. BOARS

shipped C. O. D. J. CARL JEWETT, Mason, Mich.

O. I. C's. Special prices on spring pigs from prize winning stock. Must be sold to make room. WEBER BROS. Phone R. O. 408, 10 mile Rd. W., Royal Oak, Mich.

O. I. C's. one yearling boar and last spring pigs, either sex not akin. Big growthy stock, ½ mile west of Depot, Citz Phone. OTTO E. SCHULZE, Nashville, Mich.

O. I. C's. One yearling boar left, April and August pigs. MILO H. PETERSON, R. 2, Ionia, Mich. Elmhurst Farm.

For Sale O. I. C. Serviceable Boars

H. W. MANN, Dansville, Mich.

Central Mich. O. I. C. Swine Breeders Ass'n.

Hogs of all ages of popular blood lines. Every sale guaranteed by association.

DR. H. W. NOBLES,
Sales Mgr. Coral, Mich.

O. I. C. Spring boars and gilts no akin. We breed and own the Grand Champion Boar at West Mich. State Fair. We ship C. O. D. and Reg. free. GEO. M. WELTON & SON, Alto, Mich.

O. I. C's. 20 choice young boars, also fall pigs. CLOVER LEAF STOCK FARM, Monroe, Mich.

O. I. C's. Choice April boar from a grand daughter of Wildwood Prince and from a son of Petroleum Giant. A. J. Barker & Son, Belmont, Mich.

My Sale Is Nov. 2 You Are Invited!

Wesley Hile, Ionia, Mich.

FOR SALE:

Registered Spotted Poland China Boar and Gilts ready for service. From Spotted Lucile the First, No. 48748, first prize winner at Detroit in 1920, sired by one of Michigan's greatest boars, Michigan Giant, No. 16165, owned by Greuber of Frankenthum, Michigan, prices reasonable. Address W. I. BEARCE or CHAS. BABCOCK, Ovid, Michigan.

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

We have a fine lot of fall pigs sired by Harts Black Price and Right Kind Clan. HART, FULCHER and CLINE, address F. T. Hart, St. Louis, Mich.

The Thumb Herd Big Type Poland Chinas. For 30 days I am offering bargains in Poland Chinas. My herd boar which won five firsts grand champion at Bay City, 2nd at State Fair in 1920, Spring boars, gilts and pigs, all ages by him. Peace and Plenty and Tuscola Lad. Out of Miss Smooth Jumbo, Model Magnet, Orange Maid and others. Largest herd of prizewinners in the thumb, sold on approval. Write your wants. E. M. ORDWAY, Millington, Mich.

LARGE TYPE POLAND CHINAS

Spring pigs of either sex. Sired by F's Clansman Grand Champion Boar 1920 and by Smooth Buster 1st. Jr. yearling 1920. Priced to sell. Write or see them. A. A. Feldkamp, R. 2, Manchester, Mich.

Francisco Farm Poland Chinas

The last word in Big Types, most popular families, MASTODONS, CLANSMANS, GERSTDALES, JUMBOS. Public Sale, 50 head, Oct. 28th. POPE BROS. CO., Mt. Pleasant, Mich.

Big Type Poland China Boars Ready for service, long stretchy fellows. Grandsons of Gertsdale Timm, weighing better than 300 lbs., also spring pigs. Grandsons of Leonard Bib Bob. Satisfaction guaranteed. Call or write. DORUS HOVER, Akron, Michigan

L. S. P. C.

1 yearling herd boar as good as you ever saw, spring boars by Nov. 1st. You can't beat the price nor the breeding. H. O. SWARTZ, Schoolcraft, Mich.

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

Big type Poland China boars and gilts of April farrow, also one yearling boar that is hard to beat. Prices right. CLYDE FISHER, R. 3, St. Louis, Mich.

FOR SALE:—A wonderful yearling boar fine spring boars, fall pigs. Can satisfy your wants in any thing from suckling pigs to Mature Herd boars and sows. Public Sale November 10th. YOUNG BROS., Niles, Mich.

Leonard's Big Type P. C. the kind that make good Spring boars, fall pigs, at private sale. Public sale October 27, write for catalogue. E. R. LEONARD, St. Louis, Mich.

BIG TYPE Poland Chinas, leading strains at lowest prices. Both sex, all ages, and bred sows and gilts. G. A. BAUMGARDNER, R. 2, Middleville, Mich.

P. C. by "King Wonder" for sale, sent out on approval. R. W. MILLS, Saline, Mich.

L. T. P. C. Model spring boars and gilts now ready to ship. Something good at a right price. W. J. HAGELSHAW, Augusta, Mich.

Big type P. C. Spring boars and choice fall pigs, either sex. Sired by Big Bob Mastodon. Priced low guaranteed. C. E. Garnant, Eaton Rapids, Mich.

Hampshire hogs should be on your farm, only a few spring boar pigs left, open gilts and fall pigs for sale. JOHN W. SNYDER, R. 4, St. Johns, Mich.

SHEEP

A Real Bargain at Kope Kon Farms

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

The Maples Shropshires

For Sale. Extra well bred yearling Rams, also 2 yr. old stock ram sired by a Broughton Ram. Will sell a few good ewes and several Duroc Jersey spring boars. Brookwater bred. Write your wants early.

C. R. LELAND,

R. 5, Ann Arbor, Mich.

60 Head Registered Shropshire ewe and ram lambs also yearling rams good size and type. Priced to sell. Established 1890. C. LEMEN, Dexter, Mich.

Idlewild Stock Farms offer for sale thirty Shropshire and Leicester rams. See our exhibit at Detroit, Jackson, Adrian, and Hillsdale Fairs. C. J. MIDDLETON, Proprietor, Clayton, Mich.

Shropshire Yearling Rams \$20.00 Each CARL TOPLIFF, Eaton Rapids, Mich.

Maple Lawn Farm Shropshires, rams and ram lambs of choice breeding. Woolled from nose to toes. A. E. BACON & SON, Sheridan, Mich.

Shropshires 7 yearling rams also ram and ewe lambs. Buttar and Senator 6th by breeding. C. J. Thompson, Rockford, Mich.

Shropshires—Yearling and lamb rams with quality. Sired by an imported Winton ram. Write for prices and description. W. B. McQuillan, Howell, Mich.

Registered Shropshire Rams Priced to sell. Dan Booher, R. 4, Ewart, Mich.

Shropshire Rams for sale. Also yearling Short-horn bull. W. E. Morrish, R. 5, Flint, Mich.

Shropshires 2 proven rams, 2 and 3 yrs. old, blocky and well woolled, farmers prices. FERNWOOD FARM, R. 3, Ewart, Mich.

Reg. Shropshire Rams and ewes all ages. Quality and price are right. Will ship on approval. H. F. Mouser, R. 6, Ithaca, Mich.

Straight Brook Hampshire Downs

For Sale: 30 yearling rams, 30 ram lambs including real flock headers. We also have to offer ewes of all ages. J. B. Welsh, Mgr., STRAIGHT BROOK STOCK FARM, R. 1, Ionia, Mich.

Reg. Hampshire Rams all ages. Bred and priced right. Also reg. ewes all ages. W. W. CASLER, Ovid, Mich.

Rambouillet Rams. None better bred at farmers price. J. M. EAGER, R. 4, Howell, Mich.

Merinos and Delaines having size, and quality none better bred, ¼ farmer price. Write S. H. SANDERS, R. 2, Ashtabula, O.

FOR SALE 30 yearling Delaine Rams; at farmers prices. CALHOON BROS., Bronson, Mich.

Two Registered Oxford Ram Lambs for sale. I. O. WILLIS, East View Farm, Romeo, Mich.

LATEST MARKET REPORTS

GRAIN QUOTATIONS

Tuesday, October 25.

Wheat.

Detroit.—Cash No. 2 red \$1.24; No. 2 mixed and No. 2 white \$1.21.
Chicago.—No. 2 northern \$1.14; No. 2 hard \$1.08; December \$1.08½.
Toledo.—Cash No. 2 red \$1.25; December \$1.25.

Corn.

Detroit.—Cash No. 2 yellow 53c; No. 3 yellow 52c; No. 4, 49c.
Chicago.—No. 2 mixed 47½c; No. 2 yellow 48@49c.

Oats.

Detroit.—Cash No. 2 white 39c; No. 3 white 38c; No. 4, 31@32c.
Chicago.—No. 2 white 35¼@36c; No. 3 white 31@33c.

Beans.

Detroit.—Immediate and prompt shipment \$4.55 per cwt.
Chicago.—Choice to fancy hand-picked Michigan beans at \$5.25@5.50; red kidney beans \$8.50.
New York.—The market is steady Choice pea at \$5.25@5.50; do medium \$5; kidney \$8.50@8.75.

Rye.

Detroit.—Cash No. 2 85c.
Chicago.—No. 2, 84½c.
Toledo.—Cash 85c.

Seeds.

Detroit.—Prime red clover, cash and October \$12.50; alsike \$10.75; timothy \$2.85.
Toledo.—Prime red clover \$12.55; alsike \$10.75; timothy \$2.70.

Hay.

Detroit.—No. 1 timothy at \$20@21; standard and light mixed at \$19@20; No. 2 timothy \$18@19; No. 1 clover mixed \$15@16; No. 1 clover \$14@15; rye straw \$13.50@13.75; wheat and oat straw \$12@12.50 per ton in carlots at Detroit.

Feeds.

Detroit.—Bran \$20@20.50; standard middlings \$22; fine middlings \$26; cracked corn \$26.50; coarse cornmeal \$24; chop \$20 per ton in 100-lb. sacks.

WHEAT

The total supply of wheat available for the rest of the crop year as revealed by the government report was considerably larger than expected in view of the size of the crop and the rate at which it has been disappearing in the last three months. There is an obvious inconsistency somewhere in the official figures. The inconsistency may be due to an error in the stocks of wheat in the country mills and elevators or in the farm reserve. If these figures are correct then it appears that the wheat crop has been greatly underestimated. There is no satisfactory way to check the figures at present and if they are accepted by the trade, the market must labor under a load of forty to sixty millions more wheat than was expected a short time ago. Threats of the rail strike have improved the demand for flour and mills have been buying cash wheat rather freely here. On the decline also some new export business was uncovered with Italy, Spain and the Orient in the market, and Greece is expected to place a large order in the next week or ten days. The effect of shipping large quantities of wheat abroad unsold during August and September has not yet disappeared, as some of this wheat has not yet been placed.

CORN

The heavy movement of old corn which has been under way for a number of weeks is gradually falling off but the extreme weakness in the wheat market has prevented any advance in the price of corn. Corn industries are grinding at a high percentage of their capacity. Husking of the new crop is progressing rapidly although costs of harvesting are absorbing a considerable share of the price being paid to producers in the corn surplus states. New corn is moving rather freely for this season and grades comparatively high.

OATS

The oats market shows no material change as receipts are in excess of immediate requirements and the visible supply which must be carried in speculative hands far exceeds anything ever before known.

SEEDS

Both timothy and clover seed have been holding within a comparatively

narrow range for several weeks. Receipts are rather heavy but the demand is fairly active. About one-third of the red clover seed crop and one-half of the alsike crop had been sold up to the middle of October according to the bureau of markets.

FEEDS

Spot demand for feeds shows slight improvement due to cooler weather and strike news. Prices are firm with the exception of linseed meal. Production of all feeds is fairly high and accumulated stocks are large. Cottonseed meal shows more strength at present than any other feed.

HAY

Hay loadings in the surplus districts have increased materially and arrivals at distributing markets are running larger than a few weeks ago. Prices at most points, however, have held steady with receipts readily absorbed. Demand is confined mostly to the better grades.

WOOL

With moderate quantities of wool passing into the hands of mills, prices are firm and tending slightly upward. The woolen goods trade shows no change. Clothing manufacturers are endeavoring to meet the popular demand for low-priced suits and are turning to cloth made from the lower grade wools. This partly explains the increase in the quantity of these wools which mills are absorbing.

BEANS

The Michigan bean market is about the same as a week ago. Prices are quoted at \$4.75 per 100 pounds f. o. b. Michigan shipping points for choice hand-picked white beans for immediate shipment. Most beans for October shipment have been sold. Prices for November shipment are quoted \$4.60

@4.65. Demand is fairly good. The percentage of waste is high in the early crop so that the process of picking is slow.

POULTRY AND EGGS

In spite of the big advance in the price of fresh eggs which continued through the past week, the undertone of the market remains strong. The movement out of storage is rather rapid. Cold storage holdings decreased 935,000 cases during September and appear to be moving at an even more rapid rate during October. Holdings of frozen poultry increased 5,500,000 pounds during September compared with an increase of only 1,600,000 lbs. during the same month last year. The total on October 1 was 25,598,000 lbs.

Chicago.—Eggs, fresh firsts 45@48c; ordinary firsts 40@42c per dozen. Poultry, spring chickens 21c; hens general run 24c; roosters 14c; ducks 28c; geese 23c; turkeys 28c.

Detroit.—Eggs fresh firsts 40@50c; ordinary firsts 36@38c per dozen. Poultry, spring chickens 17@20c; hens general run 24@25c; roosters 14@15c; ducks 24c; geese 20@21c; turkeys 30c.

BUTTER

Butter markets show a slight tendency to weaken under present prices which have scored a big advance in the last few weeks. A cargo of 2,150 casks of 120 pounds each of Danish butter arrived in the east and considerable Canadian butter is also being offered to this country. Irish butter was offered to New York and Argentina was said to have offered butter to San Francisco at 36c, duty paid. Removals from storage are unusually heavy because of the big advance in prices which show a profit on storage holdings. Fresh receipts of the fine grades have increased also and concessions were necessary to move all

receipts while undergrades were quite hard to move.

Prices for 92-score fresh butter were as follows:

Chicago 44½c; New York 47½c a pound. Fresh creamery in tubs is quoted at Detroit at 37@39c.

APPLES

Prices upon barreled apples both at shipping points and in the consuming markets are steady but the market is slow and dull for boxed stock. New York and Michigan Baldwins, A-2½, are quoted at \$6.25@6.50 f. o. b. shipping points and \$7@7.50 per barrel in city markets. Greenings are quoted at \$9.50@10 per barrel in eastern markets and \$8@8.50 in Chicago. Northwestern extra fancy Jonathans are bringing \$2.50@3.25 per box in most markets.

POTATOES

The Chicago potato market is lower than a week ago but prices in other cities are steady. Northern round whites are quoted at \$2.15@2.50 per hundred pounds sacked in eastern consuming markets, \$1.75@1.95 at Chicago and \$1.65@1.85 at shipping points.

GRAND RAPIDS

Movement of potatoes out of western and northern Michigan was perhaps at its peak this week. Shipping gradually increased all last week with Saturday's movement of 202 cars as the heaviest of the season. Loading continued heavy this week with buying for shipping much stronger than for storing locally. Lighter movement in other states, together with the bullish effect of the threatened railroad strike had a tendency to steady the market early this week. The local paying prices ranged from \$1.60@1.80 per cwt. Quotations are as follows:

Vegetables.—Potatoes, No. 1 white \$1.60@1.80 per cwt; No. 2, \$1.40@1.50 cwt; dry onions \$2@3.25 cwt; celery \$1@1.25 box; head lettuce \$1.25 box; squash \$1@2 cwt; turnips and carrots 50@75c bu; cabbage 75@85c bu.

Fruit.—Apples, Northern Spies fancy \$1.75@2 bu; fair \$1.50 bu; other winter varieties at \$1.25@1.50 bu; culls, windfalls and ciders 75c@1.25 bu; pears, Kieifers \$1@2 bu.

Grain.—Wheat, No. 1 red \$1.08 bu; No. 1 white \$1.06 bu; rye 72c bu; barley 85c bu; oats 42c bu; corn 60c bu; buckwheat \$1.35 cwt; beans, white pea \$3.75 cwt; red kidney \$6.50 cwt.

Greenville, Mich.—Potatoes easier; receipts heavy; No. 1 white at \$1.45@1.50 cwt.

DETROIT CITY MARKET

With an oversupply and lack of buyers the potato market was almost at a standstill on the farmers' markets on Monday morning. Most growers were holding their stock at \$1.40@1.50 per bushel, but what buyers were present would not take the stock readily at those prices. About the best moving crops were tomatoes and quinces, which were offered in a very limited quantity. Tomatoes brought \$2@3.75 per bushel and quinces \$3.50. Broad leaf endive, of which there was a moderate supply, moved fast at 40@50c a bushel. Pears were in good demand and some extra good quality stock brought as high as \$3 a bushel. No greenhouse leaf lettuce was offered.

Apples best \$2.25@3.50; seconds at \$1.25@2, poorer \$1 bu; beets, new 16-24 bunches \$1; beets 50c@1.25 a bu; cauliflower 75c@83c bu; cabbage 60@75c bu; carrots new 16@20 bunches \$1; carrots 75c@1.25 bu; celery local all grades 20@90c dozen stalks; mustard 40@50c bu; onions green 24@30 bunches \$1; onions dry \$1.50@3 bu; peppers green 40@75c bu; potatoes at \$1.35@1.50 bu; pears \$1.75@3 a bu; poultry wholesale and retail 22@26c pound; pumpkins, pie 50@75c per bu; parsnips 75c@1.50 bu; radishes red \$1@2 bu; spinach 75c@1.25 bu; turnips 75c@1.50 bu.

NEWS OF THE WEEK.

(Continued from page 398).

says that the treaty with Germany is the crowning United States disgrace. —The United States Steel Company cuts the price of steel rails \$7.00 per ton.—Alexander Simon, a Flint auto worker, is left a \$100,000 fortune by relatives in Persia.—Ten thousand soldiers and police guard the American embassy in Paris to prevent further demonstrations by French communists.

Live Stock Market Service

Wednesday, October 26.

DETROIT

Cattle.

Receipts 175. Desirable butcher grades 25c higher; others steady.
Best heavy steers \$ 6.75
Best handy wt bu steers 6.75@7.25
Mixed steers and heifers 5.50@6.25
Handy light butchers.... 4.75@5.25
Light butchers 4.00@4.50
Best cows 4.50@5.25
Butcher cows 3.00@4.00
Common cows 2.50@2.75
Canners 2.00@2.25
Best light weight bulls... 4.50@5.00
Bologna bulls 4.00@4.50
Stock bulls 3.00@3.75
Feeders 5.25@6.00
Stockers 4.00@5.25
Milkers and springers.... \$ 40@100

Veal Calves.

Receipts 375. Market steady.
Best \$11.50@12.00
Others 5.00@11.00

Sheep and Lambs.

Receipts 2,710. Lambs 25c higher; sheep slow.
Best lambs \$ 8.50@8.75
Fair lambs 7.00@8.00
Light to common 4.50@6.00
Fair to good sheep 3.00@3.75
Culls and common 1.00@1.50

Hogs.

Receipts 2,670. Market is 25@35c lower.
Mixed hogs \$7.80
Pigs 8.00
Heavies 7.25
Roughs 6.25

CHICAGO

Hogs.

Estimated receipts 19,000; holdover 10,263. Market 10@15c lower. Bulk of sales \$7.15@7.75; tops \$8; heavy 250 lbs up medium, good and choice \$7.35@7.80; medium 200 to 250 lbs medium, good and choice at \$7.60@7.80; lights 130 to 150 lbs common, medium, good and choice at \$7.50@7.85; light lights 130 to 150 lbs common, medium, good and choice \$7.50@8; heavy packing sows 250 lbs up smooth \$6.50@7; packing sows 200 lbs up rough \$6.10@6.65; pigs 130 lbs down medium, good and choice \$7.75@8.25.

Cattle.

Estimated receipts today are 7,000. Market sharply higher; calves steady. Beef steers medium and heavy weight 1100 lbs up choice and prime \$9.40@12.15; do medium and good at \$6.35@10.50; do common \$5.15@6.35; light weight 1100 lbs down good and choice \$9.55@12.35; do common and medium \$5@9.75; butcher cattle heifers, common, medium, good and choice \$4@9.75; cows common, medium, good and choice \$3.75@6.75; bulls bologna and beef \$3.35@6.50; canners and cutters cows and heifers \$2.50@3.75; do canner steers \$3.25@4; veal calves light and handyweight medium, good and choice \$7.50@11.75; feeder steers common, medium, good and choice \$5.25@7.25; stocker steers common, medium, good and choice \$4@7; stocker cows and heifers common, medium, good and choice \$3.15@5.25.

Sheep and Lambs.

Estimated receipts today are 20,000. Killing classes strong to 25c higher; feeders steady. Lambs 84 lbs down medium, good, choice and prime at \$8@9.40; do culls and common \$5.25@7.75; spring lambs medium, good and choice and prime at \$5.55@7.75; ewes medium, good and choice \$3.25@5.50; ewes cull and common at \$1.75@3; breeding ewes full mouths to yearlings \$2.50@6.50; yearling wethers medium, good and choice \$7@8.

BUFFALO

Cattle.

Receipts 475; trade slow; canners strong; shipping steers \$8@9.25; butchers \$7.50@8.50; yearlings at \$9@10.25; heifers \$4.50@8; cows \$2@5; bulls \$3@5.50; stockers and feeders at \$5@5.75; fresh cows and springers steady at \$5@135. Calves, receipts 2,200; steady at \$5@13.

Hogs.

Receipts 22,500; market is active; pigs steady; others are lower; heavy, mixed and yorkers \$8.75; light yorkers \$8.75@9; pigs \$9; roughs at \$7@7.25; stags \$4@5.

Sheep and Lambs.

Receipts 18,000; lambs 25c lower; yearlings 50c higher; lambs \$4@9.25; yearlings \$3.50@6.50; wethers \$5.25@5.50; ewes \$1@4.50; mixed sheep at \$4.75@5.



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Just send your name and address, giving sizes wanted. We'll send both pants and sweater by parcel post prepaid. You pay mailman when delivered. Your money back if not pleased. Here is positively a big \$7.00 value for only \$3.98. Send NOW as the number of free sweaters is limited.

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a big knee like this, but your horse may have a bunch or bruise on his ankle, hock, stifle, knee or throat.

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TRADE MARK REG. U.S. PAT. OFF.

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

W. F. YOUNG, INC., 268 Temple St., Springfield, Mass.

Broadcast Fertilizer

by ton or carload lots. Will quote price as per order. Tankage Hog Feed, 15% protein, in ton or carload lots. Mr. Kenney, Ratkowsky & Witus, Public Lab., Scottdale, Pa.

THE SHEEP DOG NUISANCE.

At the annual meeting of the board of supervisors of Chippewa county a warm discussion was had over the price to be allowed for sheep killed by dogs. It appears that ten dollars for sheep, and seven dollars for lambs, had been formerly the allowance in such cases. One supervisor suggested that the amounts should be five and two dollars respectively. Another supervisor suggested that owners of dogs should be held strictly accountable under the law for the losses incurred because of their dogs. This is undoubtedly the way out, provided ownership can be established. There are too many useless dogs and cats in the land anyway.—CHASE.

MILK PRODUCERS' MEETING.

(Continued from page 400).

State Farm Bureau, who tendered the association an invitation to become identified with the Michigan State Farm Bureau in a manner similar to that followed by the elevator exchange and the potato exchange, which invitation was later formally accepted by a resolution of the convention.

A. J. Glover, editor of Hoard's Dairyman, was present and gave a forceful address, in which he laid emphasis on the influence of the law of supply and demand as applied to dairy products, and urged the importance of giving close attention to the economic details of the business of production, particularly as related to the culling of the dairy herd as a means to the end of placing the business on a permanently profitable basis.

The closing address of the meeting was made by the Commissioner of Agriculture, Mr. H. H. Halliday, who gave much sound advice on the economics of dairy production, making brief reference to the work of the newly created department of agriculture which was organized largely for the purpose of taking over administrative duties connected with enforcement of the law, and also to aid agriculture in every way in which it presents itself. In the creation of this department, something like thirty different agricultural activities have been assembled. These activities were formerly conducted with a total pay-roll of one hundred and twelve people, which pay-roll has been reduced to seventy-two under centralized administration. Mr. Halliday assured his hearers of the close cooperation between his department in the Michigan Agricultural College and other agricultural agencies in the state, and expressed confidence in the future of the dairy industry of Michigan.

The fair and impartial manner in which the convention was conducted by President Hull preserved harmony among the delegates throughout the deliberation, as his plea that every individual and every element in the organization present their ideas to the board of directors for their careful consideration will undoubtedly tend toward harmony in the future.

COUNTY CROP REPORTS.

Marquette County, (Oct. 22).—Hot weather and grasshoppers ruined the hay and oat crops here. Fall pastures have been fine and are still good. Potatoes are about one-half a crop and are selling in the local market from \$1.01 to \$1.25 per bushel. Fall wheat, rye and vetch are in fine condition. Fall rye and vetch provide excellent pasture. Corn and sunflower were bumper crops for silo filling.—F. H. V.

Otsego County, (Oct. 21).—Farm crops this year generally good. Large yield of potatoes and all grain crops about fifty per cent above the average. Fall acreage of grains about one hundred per cent.—S. J. L.

Misaukee County, (Oct. 20).—Potato digging is about half finished. Yields are very irregular, some two hundred bushels, and others twenty-five bushels per acre. Most of the corn is still in the field. Cloverseed is not filled very well. The average acreage of rye was

sown, but not much wheat. Potatoes are being marketed freely.—A. G. N. Newaygo County, (Oct. 20).—Beans and potatoes badly damaged by the fall rains. Average acreage of wheat and rye sown this fall. Corn damaged by wet weather and worms.—C. R. E.

Osceola County, (Oct. 20).—This year's crops average as follows: Wheat 90 per cent; rye 80 per cent; corn 110 per cent; oats 60 per cent; potatoes 80 per cent. Wheat brings 95c per bushel; rye 65c; corn 50c; oats 42c; potatoes 90c. Butter-fat brings 45c; eggs 40c; chickens 12@15c per pound, live weight. Farmers here are well satisfied with the season's crops. Fall grain acreage is ten per cent larger than last year. About fifty per cent of the farmers market through cooperative corporations.—M. R. L.

Sanilac County, (Oct. 20).—Spring grains are poor; hay an average crop; wheat in good condition; farm work well advanced; farmers not marketing freely because of low prices. Oats 20c; hay \$8@10 in bale; wheat 98c@ \$1.04. Cooperative marketing is popular here. One hundred and fifty per cent of fall grains sown. Beet crop is below normal because of blight and low sugar percentage. Corn was a good crop.—G. H. S.

COMING LIVE STOCK SALES.

Poland-China.—Nov. 1, Hillcrest Farm, Allegan, Mich.

Poland-China.—Nov. 2, Wesley Hile, Ionia, Mich.

Poland-Chinas.—Nov. 3, Brewbaker & Sons, Elsie, Mich.

Poland-China.—Nov. 9, W. B. Ramsdell, Hanover, Mich.

Holsteins.—Nov. 16, Saginaw Valley Holstein-Friesian Breeders' Association, Saginaw County Fair Grounds. Consignment Sale.—Nov. 18, State Fair Grounds, Jackson, Mich.

Wool Wanted

We manufacture 100% virgin wool goods for wool owners, returning all the goods your wool will make, you pay for the making. "Pilgrim Mother" yarn, downy Batting, fleecy Blankets. Comfy Autorobes. Goods also sold direct from factory to user. Write for circulars and details.

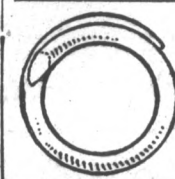
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Med. and American sizes. Red, white and blue 65c per 100 postpaid in Michigan. Specify color and size.

John Nies Sons Hdw Co.
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For Sale. 2-3 H. P. Gasoline engines; 5-6 H. P. Gasoline engines, Fairbanks-Morse used 30 days only, reasonable prices, first class condition. Universal Button Co., Detroit, Mich.

SPECIAL

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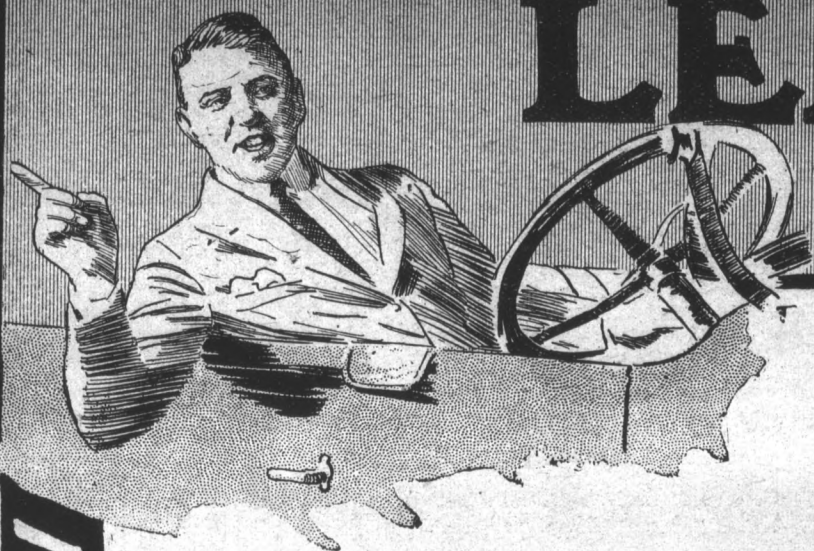
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Young men, mechanically inclined, get into the automobile business now, and make some real money. And remember, you are never too old. Henry Ford was 40 when he started the Ford Co.

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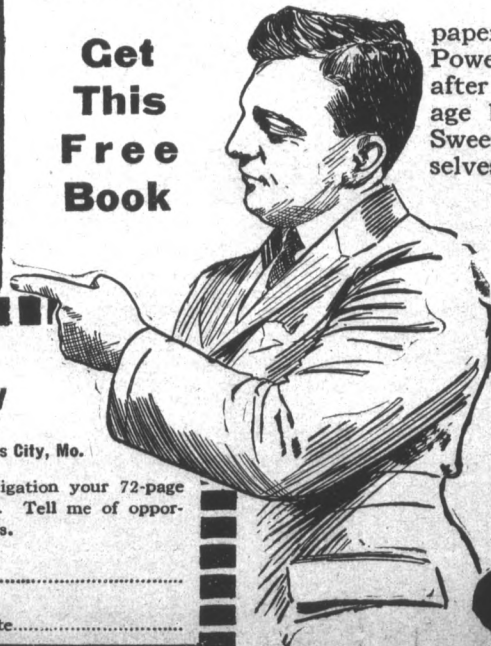
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