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VOLUME CLVIX NUMBER FOURTEEN

DETROIT, SEPTEMBER 30, 1922

CURRENT COMMENT

THE MICHIGAN FARMER SAYS:

Love yourself through your neighbor.

The wide-awake stockman's rotation is to weed, to feed and to breed.

Scrub the scrubs from your herds, or these scrubs will scrub you.

And nobody gets a single cent of the hundred million dollars lost from the pockets of producers and shippers each year through the spoilage of perishable foods in transportation.

That every action has its reaction is shown by the fact that a farmer cannot even thresh his favorite hog without the reaction of a fifteen per cent reduction in the value of the animal's carcass.

Congress and the Farmer

THE long session of congress is just terminating as this comment is written. While there is a rather general expression on the part of editorial writers of the more or less popular sentiment that the act of adjournment is the best act of the session, this is certainly not the case from an agricultural standpoint. There is no doubt that the interests of agriculture have been given more serious consideration during the session just closed than has ever before been the case within the memory of the present generation.

In the tariff bill as finally passed, agriculture has been treated more fairly than in previous tariff laws. Last minute attempts to protect special industries, some of them at the expense of the farmers of the country, failed completely and by a vote so decisive as to leave no doubt that in clear-cut contests in congress where special interests are pitted against the agricultural interests of the country, the farmers are at last pretty sure to have the votes to win.

One of the last notable acts in the session was the passage of the Capper-Tincher bill to control trading in grain futures, which was reenacted in a form to make it effective under the ruling of the supreme court as a result of litigation growing out of the law as formerly passed. Many other laws of great importance to agriculture have been passed during the session just closed, one of the most important of which legalized collective bargaining in the sale of farm products. These beneficial acts will be summarized and

commented on in future issues of the Michigan Farmer.

This new and helpful, as well as hopeful, recognition of the basic industry of agriculture in the national legislative halls is largely if not entirely due to organization and organized effort. Farmers' organizations have devoted more attention than ever before to national legislation affecting their membership and have had representatives in Washington continuously looking after these matters. But perhaps the most potent influence in favor of agriculture during the past session has been the so-called Farm Bloc, a non-partisan group of senators and representatives from important agricultural states, of which Senator Capper, of Kansas, is chairman, who cooperated in the advancement of a definite legislative program in the interest of the people of the country in general as well as of agriculture in particular. We shall also undertake to give our readers a review of the progress made in the accomplishment of this program in the near future.

Gardens from Waste Places

FOR two days last week, we watched experts work out problems in connection with the reclamation of waste areas on the farm of A. O. Dunk, in Livingston county, a detailed report of which will be given in a later issue. These experts used explosives largely to accomplish their objects.

For ages the rains have washed the finest fertility from the hillsides into these low places where it was impossible to grow crops because of a surplus of water. The purpose of this demonstration work was to show how this great storehouse of fertility might be recovered for agricultural purposes. Successfully completed, the program will convert what has been "eyesores" on the farm into ideal garden spots.

What has been waste places will, with proper handling, become the most productive areas of the farm. Here is untold wealth of plant food waiting for the development of proper conditions when it can be converted into products useful to man.

It is even so with men. Not infrequently it requires a crisis in a man's life, a real explosion, if you please, to awaken in him some of his finest talents. Others are able to bring these talents into use without such spectacular incidents. The object to be attained, however, is the big matter and it should be the ambition of every person as it ought also to be of every farmer, to convert talents that perhaps have been laid away on a shelf into active forces for accomplishment of worthwhile tasks as well as to change the waste places of the farm into gardens.

Observe Memory Day

THIS paper will reach the reader not later than the morning of September 30. This day has come to be very generally observed as "Memory Day" in this state, due very largely to the efforts of Mr. J. T. Daniels, of Clinton county, ex-president of the Michigan State Association of Farmers' Clubs, through Mr. Daniel's untiring efforts the movement to establish Memory Day was endorsed by the State Association of Farmers' Clubs and the State Grange, and later by action of the state legislature. Through his efforts also, new material has been provided each year for use in Memory Day programs wherever the day is publicly observed. This year's contribution is a poem written by C. R. Cook, of Oakland county, which appears on page ten of this issue.

The Memory Day movement, which originally involved the naming and ob-

servance of a fixed day each year, for the decoration of the graves of departed friends and the placing of their last resting place in order has, we believe, been productive of much greater and more far-reaching results than its author even hoped to see during his lifetime. Not only has the observance of the day itself become more general with the passing years, but as a more or less direct result of the movement a marked public interest has been developed in the care of rural cemeteries through the leadership of public spirited citizens in many rural communities in this state where associations have been formed for the proper and constant care of the cemeteries in those communities.

But Memory Day means more than this and its observance should go beyond these physical manifestations. Well may we all pay fitting tribute of mind and soul on this day to the dear friends who have gone before. This act of observance of the day will make us better citizens of the great country and more helpful members of the little communities in which we live. Let us all observe Memory Day.

The Business Outlook

IF one knows where he is at in a business way these days he is more fortunate than the average individual. The following data gathered from reliable sources and through various channels may throw some light upon the situation and give the farmer reader some angles upon the present trend of general affairs.

Production and trade activities are generally being carried on in larger volume than a year ago. In agriculture ten of the eighteen agricultural products for this year show a gain over the five-year period from 1916 to 1920. With the settlement of the coal and the railroad strikes, the way now seems clear for an expansion of industrial operations. Loadings of freight cars the first week of September were twelve per cent larger than for the same week in 1921. Building in practically all large cities is booming, while bank clearings outside of America's metropolis are holding even.

In the United States, the credit situation is favorable to a general expansion of business. Compared with a year ago, interest rates are down. The discounting resources of the federal reserve system are ample, as shown by the fact that the present ratio of capital to loans is 78.3 as compared to a legal requirement of from thirty-five to forty per cent. Domestic credit facilities are strengthened by a decline in the exports and an increase in the imports of gold, although this situation is weakening the possibility of trade with foreign countries which is in a real bad way.

As compared with a year ago, twelve out of twenty-four farm products of the country show advances in price, while the remaining twelve show declines. The general price level of over four hundred items has gone up thirteen points as compared with a year ago, while farm commodities show a general advance of eight points according to computations made by the United States Department of Labor. As compared with 1913, the general price level in August was fifty-five per cent higher, and agricultural commodities thirty-one per cent higher at central markets. Prices to producers of farm products are probably less than twenty per cent above the range for 1913.

While this collection of information may be more or less confusing, there appears to be good reason for conducting the farming business along normal lines. The farmer who does this is more likely to succeed than the one who plunges, and also to be more suc-

cessful than he who becomes stampeded and sells out.

Value of Boys' and Girls' Work

THE college and extension men have found that their work among the young folks of the rural sections brings much quicker and better results than among adults. In fact, the findings are that one dollar expended for boys' and girls' work will bring as great results as three dollars used in adult extension activities.

Even after you have convinced mature people, they can only use the new ideas for an average of twenty years, whereas the boy or girl with a new idea has from forty to fifty years to use it. Thus the boys' and girls' not only gives the extension worker the easiest field in which to get results, but at the same time his endeavors are producing the greatest and most lasting good.

Not only is it easy and economical to teach young people, but the immediate results of their instruction is profitable from a strictly dollars and cents standpoint. For instance, in 1921 the boy and girl club members produced seven million dollars worth of products, the total cost of which, including the cost of teaching, was only four and one-half million dollars.

These things almost make we older folks envy the absorptive ability of the young mind, but there is a satisfaction in knowing that, although we advance in years, we can keep our minds young and open if we will but try, for thinking is a matter of habit and is therefore capable of direction.

Oughto Knot

TO Oughto or Oughto Knot, that is the question," is what Jim Clark says his friend Shakesbeer would say. Now I think Jim's educashun ain't no good, 'cause I know his friend Shakesbeer's dictshunary didn't have the word Oughto, so, it not bein' there, he couldn't consider anything he didn't know anything about.

I'm strong for the Oughto side of the question, 'cause the Oughto is a willin' steed what is always throbbin' to go, throbbin' so much you kin just feel it throb. It takes you to Hither and



Yon' and back again most of the time. I got back every time so far, and I ain't got into no auto complishuns, 'cept to bend somebody's fenders an' knock a few cuss words outa them. There was other times when we was in temporary critical situashuns, but, you know, nearly being killed and not gettin' hurt is a excitin' pleasure.

I also like the Oughto because it helps you to peruse the landscape. The landscape is a "glitterin' generality" what is open to the enjoyment of all. Sam Johnson and Ed Simpson kin keep you off a their farms, but they can't keep you from enjoyin' the landscape what their farms help make. Now, perusin' landscape is a good thing when personal matters get ponderous, 'cause it shows that your endeavors is just a mere detail in the big plan.

While we are on the subject, judgin' from the machines what is stalled along the road with two folks sittin' close tryin' to keep warm on a hot night while they are talkin' about the weather, it looks like there's lots of Oughto Knots in the process of makin'.

The Oughto ain't responsible for the failures of human nature, so I say for addin' a lot to the enjoyment of life you ought to Oughto. HY SYCKLE.

Start Marketing Poultry Crop Early

The Experiences of Past Years Suggest the Need this Year for Spreading the Marketing Over a Longer Season

THAT a substantial increase in poultry production has occurred in the last two years has been established beyond dispute. The Department of Agriculture issues no forecast upon the chicken crop, but observations made by dealers and others over a wide range of territory have been convincingly unanimous upon this point.

The quantity of poultry reaching the leading markets registers roughly the changes in production in the country. Combined receipts of dressed poultry at the five markets, New York, Boston, Philadelphia, Chicago and San Francisco in the first thirty-six weeks of each of the past four years have been as follows:

1922—128,128,180 pounds.
1921—104,756,008 pounds.
1920—100,857,447 pounds.
1919—116,839,065 pounds.

Compared with 1921, receipts in 1922 show an increase of 22.3 per cent, while they exceed 1920 by 27.4 per cent and in 1919 by 9.7 per cent. Heretofore, 1919 was the banner year in poultry production.

The supply of eggs reaching the leading markets tell a similar story of an increase in the number of hens on duty. Combined receipts of case eggs at the same five markets in the first thirty-six weeks of 1922 and comparisons with preceding years are shown below:

1922—13,804,553 cases.
1921—12,693,069 cases.
1920—11,230,122 cases.
1919—116,839,056 pounds.

Has Increased Production Gone Far Enough?

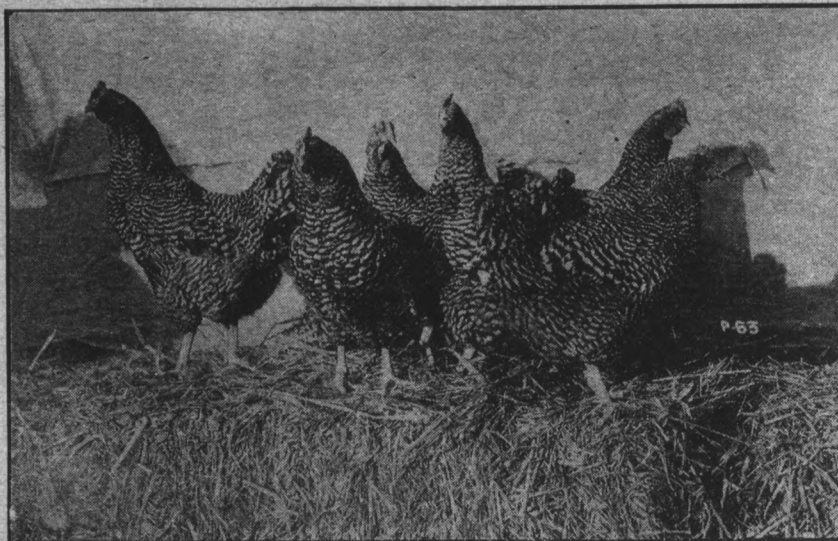
Low prices for feeds and good prices for poultry and eggs most of the time in the last two years, together with unsatisfactory returns on most other farm products have stimulated the poultry man—and woman—to work overtime increasing their output. But "cashing in" time on the poultry is now at hand. How will the market absorb the increase which is expected to manifest itself much more prominently this fall than it has yet done?

Poultry producers well may ponder how near production has come to the maximum which will permit maintenance of profitable prices. The events of the next few months will furnish a fairly good basis for the answer. Dealers have freely predicted that they will buy roasters on the Chicago market this fall at fourteen cents a pound on at least some of the days of big receipts.

Dealers Advise Early Marketing.

Anticipating an enormous run of poultry this fall, the dealers are advocating the sale of well-finished spring chickens early in the season—in September—instead of from the middle of November to the middle of January. They argue that even though greater weight is obtained by holding until later in the season, the price is apt to be lower and when feed, labor and risk of loss by disease, thieves or "varmints" are considered, the advantages are on the side of selling early. By a more uniform distribution of sales through the year it is reasonable to believe that the average price level would be higher. Especially the fact that spring roasters are counted as "stags" after December 15 and are sold at a discount, should be considered.

Poultry price records are not entirely satisfactory for checking this suggestion since the average character of the chickens being sold varies greatly at different seasons. Furthermore, the same chicken which would go as a



Hustle the Culled Birds to Market as Soon as Fitted.

"broiler" in June is a "fryer" a couple of months later and a "roaster" by October. But even with these angles considered, prices in the last five or six years have shown a fairly well defined downward trend from midsummer to late fall or early winter. The decline has varied from three to as much as fifteen cents a pound.

All in all, it looks advisable to avoid glutting the market in the late fall and winter as far as possible. Also the practice of flooding the consuming centers at Thanksgiving and Christmas time with light, unfinished poultry is questionable. Usually, however, at those holidays the supply of well-finished birds is not equal to the demand.

Yearly Cycle in Poultry Market.

The accompanying chart shows very graphically the annual cycle in the poultry market and also brings out what has taken place in the way of increased production.

Receipts since March, 1922, held consistently above the average of the three preceding years, tumbling below the average for a short time around the end of August.

Cold storage stocks at the beginning of 1922 were considerably above the three-year average, but so great was the demand that they were cut down to less than the three-year average early in March and remained below until in the latter part of May. Since May the increase in consumption has not kept pace with the increase in production. This prevented storage holdings from declining as rapidly as they usually do.

Receipts of poultry in the past have fluctuated sharply with the season. A sharp decline is shown during January and a gradual one in February and March, while the supply is fairly uniform during the summer. It increases gradually after August and sharply af-

ter the middle of November. Heavy shipments to catch the Thanksgiving and Christmas trade have been the rule, receipts in those weeks being from three to eight times as large as in the low summer period.

During the late fall and winter much more poultry is marketed than the public is ready to consume immediately and large amounts are accumulated in a frozen state in cold storage. Such accumulations usually begin in September and are most rapid in November, December and January, but by the end of January the tide turns the other way, consumptive demand then requiring all of the fresh receipts and some of the storage product in addition. Cold storage operators always expect to buy cheap enough in the storing season to be able to sell out later on at a profit. They have lost money in the last two or three years and are apt to be quite cautious this year.

SWEDISH FARMERS STRONG FOR AUTOS.

AT a recent farmers' festival in Sweden, all but one farmer attended the event in motor cars, according to the report of the United States Consul. Only a few years ago the ox-cart was the only means of transportation, but now peasants and small village inhabitants have changed their attitude from one of disfavor to that of enthusiasm. With the coming of automobiles, good roads are also gaining in favor, and it is not difficult to get appropriations for that purpose.

GERMANY SPOILS ENGLISH POTATO MARKETS.

GERMANY and Holland are demoralizing the English potato market by dumping large quantities of their cheaper grown products on the English distributing centers. A short time ago the British farmers were getting from Ten to Fifteen Pounds per ton for their potatoes, but now they are a drug on the market at prices as low as Two Pounds per ton.

During the war Germany encouraged the raising of potatoes in quantities as a reserve for food and also for the distillation of alcohol. Now the surplus is being marketed on the British markets which are the only one which will admit it without a heavy duty. This is causing the British farmer despair, and in many cases he is refusing to harvest his crop and bring it to market.

MILK CONSUMPTION ON THE INCREASE.

AN increase of one teaspoonful of milk per person in the United States would bring consumption to a point over production, according to M. D. Munn, of National Dairy Council.

Educational campaigns have done much to increase the use of milk. The dairy production in 1921 increased eleven per cent; but this increase is offset by the increase in consumption of milk as a food.

These educational campaigns on the use of milk will continue to be carried on by boards of health, medical associations, school boards, mothers' associations and welfare organizations throughout the country. Milk is now in common use, especially in the city schools, to bring underweight children up to the average weight.

Only a tenth of America's farmland is now artificially drained.

Interested to the Last Man



WHEN you see men crowded together as in the above picture, you are perfectly safe in betting the coat upon your back that something is going on in which they are completely absorbed. And that is exactly the case in this instance.

In the center of this group is "Jim" Weston telling these potato growers how to know inferior potato vines and what are the characteristics of the several known potato diseases and insect pests. "Jim" is the potato expert of the Agricultural College, and it is said that daring potato bugs will hastily leave the most luxuriant potato pasture in order to avoid coming within range of the well-trained eyes of this expert.

After spending a full week traveling with Mr. Weston and his co-workers we are fully convinced that a lot of sound thinking is being injected into the business of raising spuds in this state. At every one of the fifty or more farms at which we stopped, the farmers were equally as interested as you see them here. It is practically impossible to stop men who are as anxious to learn as these men show themselves to be. They will overcome every obstacle in their effort to discover the best and most economical methods of growing potatoes, and once possessed with the information they are of the type of men who will use it. I have the greatest faith in the future of the potato business of Michigan.

LATE AGRICULTURAL NEWS

MILK AND ALFALFA CAMPAIGN.

KENT county is to put on a milk and alfalfa campaign to last two weeks, starting October 23. The purpose of this campaign is to urge the farmers to take greater interest in the two great farm profit producers, alfalfa and dairying.

Kent county has the second largest raw milk market in the state. But has only one cow-testing association and grows no more alfalfa than many counties in which dairying is not a great factor. County Agent Keats K. Vining, believes that the farmers of his county should awaken to the possibilities of the good market they have close at hand, and should take a greater interest in alfalfa and dairying. During this campaign, Professor Cox, crop specialist, will head one team and Professor Reed, M. A. C.'s dairy specialist, will head the other. These two teams will hold meetings in cow stables and barnyards at the rate of sixteen a day for the two weeks. By this campaign the college men hope to double the acreage of alfalfa and to increase the cow-testing associations to three.

M. A. C. VINEGAR YEAST.

CHAMPAGNE vinegar yeast from the bacteriology department of M. A. C. has enabled a vinegar maker in Pennsylvania to displace the French sources of supply at several of the leading hotels of Philadelphia. D. Buckley, of Woodrow Farm, Broad Axe, Pa., is the man who made the vinegar, and he has just ordered an additional amount of yeast.

"It may interest you to know," his letter runs, "that with the aid of this yeast, and by combining honey, apple and grape vinegar in about equal parts, I have been able to supply the demand of the Ritz, the Bellevue and the Lorraine hotels and several of the best clubs of Philadelphia, where imported Tarragon vinegar was formerly used exclusively. Many thanks for your courtesy and 'un bon mot' for the lady bacteriologist that answered some inane queries for me two years ago." Because M. A. C. is the only institution in the United States putting out this variety of vinegar yeast—*Saccharomyces ellipsoideus*—requests are received from as far west as Idaho, Montana and British Columbia, as far east as Massachusetts and New Jersey, and as far south as Florida and New Mexico.

During the twelve months preceding the last report of the department, 456 orders for vinegar yeast were filled in fifty-three counties of Michigan. Including the orders from outside the state, the total was 659. The work of preparing the yeast is under the direction of Dr. Ward Giltner, head of the department, and is supervised by R. L. Tweed, research associate.

BONUS BILL VETOED.

PRESIDENT HARDING has vetoed the bonus bill, but this does not mean the end of bonus legislation. In vetoing this bill, the President gave as one of his chief objections that "the bill proposes a government obligation of more than four billions without a provision of funds for the extraordinary expenditure, which the executive branch of the government must finance in the face of difficult financial problems, and the complete defeat of our commitment to effect economies."

The President has made it plainly understood that he will veto any soldiers' bonus legislation which does not contain a provision for financing the

proposition by means of a sales tax. The next move will be to develop sentiment in favor of a bonus-sales tax bill.

CAPPER GRAIN FUTURES BILL.

THE Capper-Tincher grain futures trading bill has passed the Senate. This measure meets the objections of the supreme court to the former law, and at the same time, it is believed, will be more effective in eliminating objectionable features in boards of trade transactions. It was enacted in time to be given a practical try-out in marketing this year's grain crop.

FARM BUREAU MEMBERSHIP CAMPAIGN PROGRESSES.

THE Michigan State Farm Bureau and the Shiawassee County Farm Bureaus opened a membership renewal campaign in Shiawassee county on September 25. The Shiawassee campaign follows similar campaigns in Allegan, Van Buren and Barry counties, where about sixty-five per cent of the original membership has been renewed, with considerable territory yet to be covered, according to Clark L. Brody, secretary-manager of the State Farm Bureau.

In Allegan county a little more than two-thirds of the memberships expire January 1, 1923, said Mr. Brody. The remaining third has been signed since the 1919 drive and expires during the next year and a half. Similar conditions prevail in other counties. Officials report themselves satisfied with the progress of their second membership campaign. They say that many progressive farmers heretofore not members are now enlisting with the organization.

The Farm Bureau is conducting a quiet but intensive campaign, said Mr. Brody. As present county memberships expire, the State and County Farm Bureau organizations cooperate in re-enlisting the membership.

CANADIAN LIVE STOCK MEN ASK TARIFF RELIEF.

THE live stock growers of western Canada are now asking congress for sixty days relief from the tariff duties on feeder cattle. They say they are losing money and will go into bankruptcy unless they can get this relief. For some time they have been moving toward the American markets before the signing of the tariff by the President.

Sometime ago the Canadians wrote thirty thousand letters to the farmers of this country asking for their support of this proposition. The cattle feeders of New York, Pennsylvania, Ohio and other feeder states are said to have looked upon the Canadians' proposal with favor for it is strongly opposed by T. W. Tomlinson, secretary of the American National Live Stock Association, representing the western feeder cattle producers, and S. A. Sykes, president of the Meat Producers' Association of Iowa.

Mr. Tomlinson says his organization will back up the western growers rather than the Canadian steers.

FARMER'S DOLLAR SHRINKING.

THE farming situation is not getting any better, according to officials of the Bureau of Agricultural Economics. The purchasing power of farm products in August was sixty-four, as com-

pared with 100 in 1913, while the wholesale price of commodities the same month was 176 compared with 100, the 1913 price level. Notwithstanding the extreme low prices of farm products, the Federal Department of Labor announces that the cost of living in the cities in August, 1922, was nine per cent higher than it was in August, 1921. Even farm products were up six and one-half per cent when they reached the consumer.

High freight rates is one of the chief causes for this condition, according to Senator Capper. He says they are too high and prices too low to allow a margin of profit for gathering, sorting and packing this country's great fruit crop.

Cloverland News

By L. A. Chase

COUNTY AGRICULTURAL SCHOOL.

MENOMINEE county operates a county agricultural school, at the expense of the state and county jointly. The fall term opened October 2. Fifty students were reported as enrolled in mid-September. As farm conditions are not prosperous, many of the children who come direct from the farms of northern Michigan, will probably find it necessary to earn a portion of their expenses. The school runs without tuition charges to students. In addition to regular farm courses, the school has found it desirable to give a course in auto mechanics; and during the winter a course for butter-makers and testers is to be given. A new course in wireless telephony is also announced. The superintendent of the school has made a survey of conditions in the county and finds that there are five hundred boys and girls, who have passed the eighth grade and reached the age of nineteen without any trade or aim in life. It is urged that attendance at the agricultural school ought to supply this deficiency for many.

UPPER PENINSULA WINS CHEESE PRIZES.

THE Upper Peninsula press is featuring the success of Upper Peninsula cheese producers in winning all the prizes for cheese at the recent Michigan State Fair. According to a report from the dairy bureau of the State Department of Agriculture, the first prize was won by Hermand Schmidt, of Wallace; second prize by the Cloverland Cheese Company, of Menominee; third prize by Charles Kalchick, of Faithorn. The percentages scored were 96.5, 96 and 95. Our people are very much pleased with this showing.

BULLFROGS TO BE IMPORTED.

THE big Tennessee "honker," a large bullfrog weighing as high as four pounds, may be introduced into the Copper Country in 1923, says the Gazette of Houghton. The frogs are said to be wonderful eating, one frog making a meal for two people. Supervisor John Mackay, of Portage township, who is interested in the project, is reported to have been given assurances by the state game commissioner of Tennessee, that, next season, he will be glad to cooperate with the Copper Country sportsmen in introducing the frog into northern Michigan. Whether northern coolness will agree with his frogship is a matter that experiment will settle.

News of the Week

Wednesday, September 20.

THE rescue squads working in the Argonaut mine in California, find the forty-seven miners dead, after having worked three weeks to release them.—Twenty thousand people witness the laying of the corner stone of the Detroit \$5,000,000 Masonic temple, which will be the most beautiful in the world when completed.—The Sailors' Union of the Great Lakes calls a strike, effective October 1.

Thursday, September 21.

THE world series baseball championship baseball games will start October 4 in New York City.—Thirty thousand march in the Odd Fellows parade at the national convention in Detroit.—A Los Angeles judge announces that the minimum fine for liquor violations will be \$150.—A typhoon which lasted thirty-six hours did serious damage in the Philippine Islands.

Friday, September 22.

NATIONAL aviation meet will be held at Selfridge Field, near Mr. Clemens, October 12-14.—Paderewski, the famous pianist, is running for president in Poland.—The registration of students at the University of Michigan is the largest in its history.—The Inter State Commerce Commission lifts its fuel ban against the automobile industry.

Saturday, September 23.

AT its November election, Ohio will vote on beer and light wines.—The President's veto of the bonus bill is the same by the Senate, although the house overrides it.—It is announced that France will import German work-

men to help rebuild the devastated sections.—The League of Nations will discuss the effect of the inter-allied war debts upon the world's disordered economic system.

Sunday, September 24.

THE city council of Detroit has given notice to the Detroit United Railway to discontinue running their interurban cars into the city within two years.—The wives of all British officers have been ordered to leave Turkish territory, and British troops are being brought in for warfare against the Turks.—Recently some bootleggers tried to sell New York Federal prohibition agents thirty-six barrels of 108-proof whiskey for \$27,000 which upon seizure proved to be nothing but water.

Monday, September 25.

THE Canadian government will aid the United States in war on liquor.—The Ford Motor plants reopen after being closed for nearly a week because of the coal shortage.—The mine owners and the unions of this country will hold a conference in Cleveland on October 2 for the purpose of preventing strikes in the future.

Tuesday, September 26.

FRANCE builds the largest radio station in the world at Saint Assise. It will broadcast at the rate of eighty words a minute.—The Bermuda Islands were swept by a ninety-mile gale.—Greece demands support from the allies in the defense of Thrace, which contains rich grain fields.—Fire in the downtown section of Atlanta, Georgia, causes a million and one-half dollars worth of damage.



PROTECT LOCKS FROM RUST.

SOMETIMES very simple devices will do a lot for protection and convenience and can be made by anyone. Padlocks are frequently found frozen, and also rusted from continual exposure. Here is something that prevents all this. Cut a piece of rubber from an old boot leg, about six-by-six inches. Tack it to a strip of wood one-by-six inches, and nail it to the building above the staple that holds the padlock, so that the rubber will hang down over the lock. Here you will always find your padlock dry and not frozen. Do this when the lock is new. It can't rust then.—W. E. F.

A TRUCK WAGON.

ANYONE having an old top buggy or surrey that is not used for road travel, or "worn out," can make a very handy little truck wagon out of it, providing the axles and spokes are in fair condition.

First, remove the body from the running gear, leaving the springs on the axles. Next take off the wheels and cut off the spokes nine inches from the hub. Cut pieces wedge-shaped to fit in between every spoke and one-inch boards on the sides. Put them on vertical on one side and horizontal on the other, then bore holes between every spoke and bolt together. Then bolt a two-by-two piece on front and rear springs, and nail on boards for a flat top, which makes it very convenient.

An ordinary buggy pole cannot be used unless an extension is put on the front end, in order to give the team a longer hitch to prevent striking their heels on the doubletree. In ordinary light farm work, hauling plows and harrows, etc., it will be found the handiest tool about the barnyard.—Warner E. Farver.

HIGH PRICES ENCOURAGE CO-OPERATIVE THRESHING.

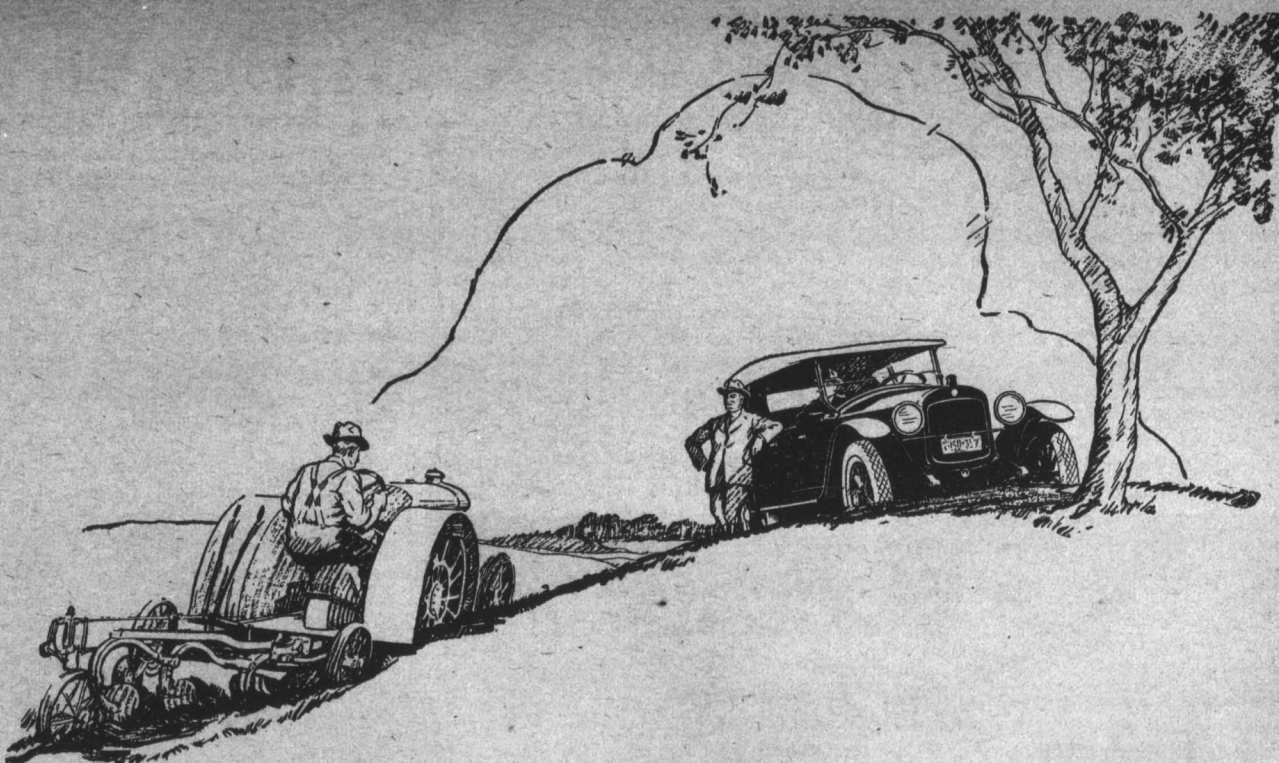
IN many cases the threshers are still charging war-time prices for their work. If this should continue with the grains at their present prices, many co-operative threshing associations, such as there are now operating in Van Buren and Washtenaw counties, will spring up throughout the state.

If the farmers were receiving war-time prices for their products they would not object to the fees charged, but with wheat selling at less than a dollar and other grains in proportion, they feel that they have just cause to complain at the excessive charges made for a few hours work at their farm. In many cases the threshing charges now are nearly double those of 1916. In cooperative enterprises, this work could be done at cost, where from six to twelve farmers with a thousand or more bushels of grain each could organize to operate on a bushel basis over a period of years.

MANY ACRES SHOULD BE REFORESTED.

IN a recent talk before the Saginaw High School students, H. M. Wheeler, of the United States Forestry Department, said that there were ten million acres in Michigan which are not producing anything, but would develop into a profitable source of revenue if put back into forests.

In his comments on the national forest near East Tawas, he said that the work is greatly hampered because about once in fifteen years these woods were burned by forest fires.



Costs Less by the Month and the Year; Does Better Work on the Farm

The Hupmobile record in any neighborhood shows what a good business proposition this car is.

Costs by the month or the year are lower—proven by the fact that large corporations operate business fleets of Hupmobiles in preference to lighter cars which cost less to buy.

The Hupmobile makes fewer trips

to the repair shop. It misses fewer days at work. It goes farther on tires.

Invariably, the Hupmobile record is a story of continuous savings, that amount to actual earnings.

There is no speculation about the Hupmobile.

From first to last, it is a good investment for the farm.

The Beauty, the Comfort and Luxury of the Hupmobile, and its Driving Ease, Win a Woman's Heart

Touring Car, \$1150; Roadster, \$1150; Roadster-Coupe, \$1335; Coupe, \$1635; Sedan, \$1785. Cord Tires on all models. Prices F. O. B. Detroit—Revenue Tax Extra

Hupp Motor Car Corporation, Detroit, Michigan

Hupmobile



THE FOUNDATION OF GOOD CROPS

"As ye sow"—Solvay Pulverized Limestone—"so shall ye reap"—bigger, better, more profitable crops. Solvay brings crops to quick, complete maturity by making soil sweet; releasing all plant-food to the growing crops. Guaranteed high test 95% carbonates—ground fine, furnace dried, easily spread. Crop improvement shows first harvest.

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Keep posted on lime and its use. Write for Booklet—sent FREE.

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GET IT FROM THE FACTORY DIRECT

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Writes Elford Parski, Kearsarge, Houghton Co., Mich. Cut your own fence costs to the bone by buying direct from us at Lowest Factory Prices. We Pay the Freight.

Write today for Free 100-page Catalog of Farm, Poultry and Lawn Fence, Barbed Wire, Gates, Posts, and latest low prices.

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Equip your Ford with the same high quality ignition used as standard equipment on America's foremost cars. Write for Literature

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SYSTEM COMPLETE INCLUDING CABLES AND FITTINGS **Price \$11.75**

THE AUTO-OILED AERMOTOR

A Real Self-Oiling Windmill

Oil an Aermotor once a year and it is always oiled. Every moving part is completely and fully oiled. A constant stream of oil flows on every bearing. The shafts run in oil. The double gears run in oil in a tightly enclosed gear case. Friction and wear are practically eliminated.

Any windmill which does not have the gears running in oil is only half oiled. A modern windmill, like a modern automobile, must have its gears enclosed and run in oil. Dry gears, exposed to dust, wear rapidly. Dry bearings and dry gears cause friction and loss of power. The Aermotor pumps in the lightest breeze because it is correctly designed and well oiled. To get everlasting windmill satisfaction, buy the Aermotor.

Write today for Circular.

AERMOTOR CO.

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FOR 50 YEARS

MILLER-BEAN HARVESTERS

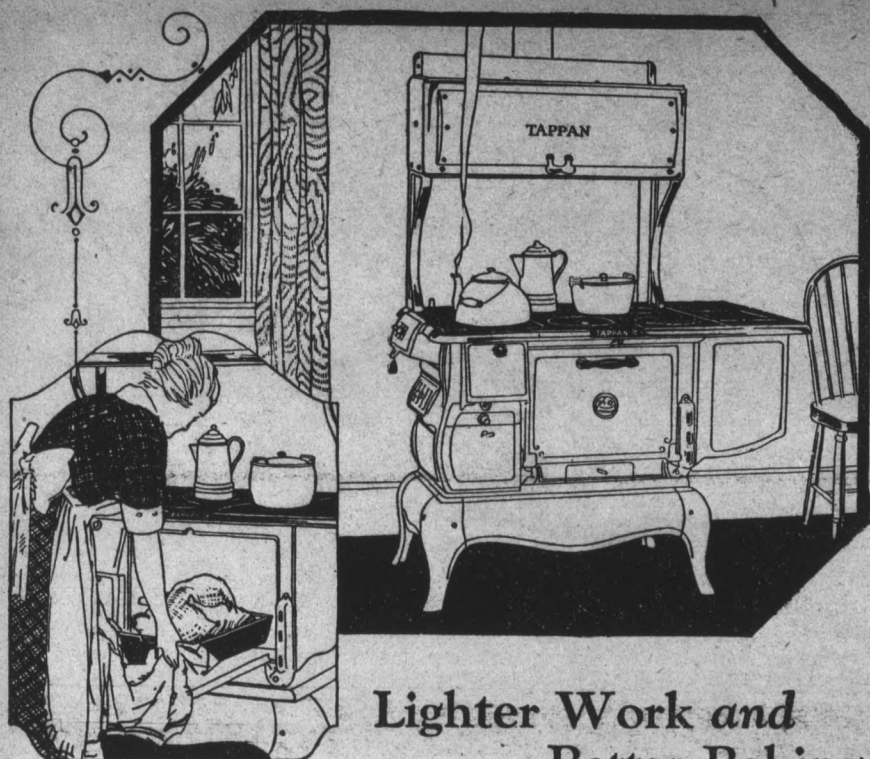
HAVE LED ALL IMITATORS.

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NEW TRACTOR

Special Sawmill for sale cheap.

W. F. CROWE, Dundee, Mich.



Baking Conveniences

Square, roomy oven—strong door can be used as shelf. Oven temperature always under control—heat of oven shown accurately by thermometer in oven door.

Lighter Work and Better Baking

THE all-enamel Tappan-Joy range has a heavy, smooth porcelain and nickel finish that stays clean and bright for years. Just wipe the range with a damp cloth.

The great popularity of the Tappan-Joy range is due to the perfect baking results it gives. The Hot-All-Over Top and the Sliding Damper—special Tappan features—force the heat to circulate uniformly under all six lids of the cooking top and provide a positive control of oven temperatures. The handy oven door thermometer eliminates all baking guess-work.

Have the Tappan Agent near you demonstrate the better cooking features of the Tappan-Joy ranges—If you don't know his name write us.

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THE TAPPAN STOVE COMPANY
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Pullets Cockerels Pullets

Barred Rocks From Proven Layers

Laying contest winners. Records 213 to 257. Write for catalogue.

G. CABALL,

R. 4, Hudsonville, Mich.

Baby Chicks \$12.00 per

Hatching eggs, \$1.50 per setting to \$15.00 per 100. We are listing 17 varieties of pure bred fowls; Chickens, Geese, Ducks & Guinea, also breeding stock. Send for prices and circular. Booking now for early delivery. CLINTON HATCHERY & POULTRY FARMS, Wilmington, Ohio.

PULLETS

Barron Strain S. C. W. Leghorn.
8 weeks old \$1.00 each \$90.00 per 100
12 weeks old \$1.25 each \$115 per 100
Yearling hens \$1.00 each \$95.00 per 100
Good healthy selected birds, no culls or weaklings.
R. 4, FINE BAY POULTRY FARM, Holland, Mich.

Single Comb Buff Leghorn

Early hatched chicks. Willard Webster, Bath, Mich.

Whittaker's R. I. Reds

200 Single Comb Red pullets at \$2.50 to \$5 each. Also Cocks and Cockerels of both combs. From stock blood tested for bacillary white diarrhoea. Write for catalog. Interlakes Farm, Box 39, Lawrence, Mich.

Bred-to-Lay White Wyandottes

59 hens laid 1170 eggs in Jan. Eggs \$2.00 per 15; \$10 per 100. EVERGREEN POULTRY FARM, Blanding & Sons, Greenville, Mich.

WHITE LEGHORNS
Lay 265 to 301 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.

Barred Rock and W. Wyandotte Breeding Stock at bargain prices now.
HOWARD GRANT, Marshall, Mich.

Additional Poultry Ads. on Page 347

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Direct from Woolen Mills to You!

Fill in the coupon and mail at once for your copy of our new full-color, true-to-life catalog of splendid all wool bed blankets and other high quality wool goods. "It pays to trade where the goods are made," and you'll find this book brimming with the most desirable merchandise. Absolute satisfaction or your money back is the guarantee of all Aurora 100% Merchandise. You take no chances when buying direct from our factory, so send for the catalog NOW!

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A Hatch Every Week All Year

NABOB HATCHERY, Dept. 15, Gambier, O.

OUR SERVICE DEPARTMENT

Always Give Name and Address When Sending Inquiries as Satisfaction Service Cannot be Given to Unassigned Letters

DOG-TAX.

Does it require a license to own and operate a trap, and to hold shoots, offering my own produce as prizes to the winners? What is the legal dog tax in this state? Is it the same in all counties?—A. C.

I find no law requiring license to conduct such entertainments.

The dog tax is the same in all counties—\$3.00 for males and \$6.00 for females, \$2.00 for unsexed, no tax for pups under four months, January 10.—Rood.

LAKES—FENCES.

Is a person with a lake on his farm which has an outlet and inlet obliged to let the public on the lake to fish? A rented his farm to B for three years and to pay rent B was to clear five acres each year. In the three years he cleared five acres. In about a year and a half B bought the farm and has not paid any taxes nor interest. B agreed to put up fence, can B remove fence? B moved off place and hired a man to do work on the farm. Can he hold possession of the farm?—W. T. W.

Whatever the character of the lake, no person without the owner's consent has any right off of the water on the adjoining land. If it is a navigable lake, the only right incident to the easement of navigation is to go boating there. It does not include the right to stop and fish, any more than the highway would include the right to go hunting there. If the outlet is sufficiently large for use for any commercial purpose, of which the original test was rafting of logs, the lake is navigable.

The question as to the fence does not state whether the sale was by contract or deed, and if the latter whether there was a mortgage back. If there was a deed without mortgage back the only remedy to prevent the removal of the fence would be to file bill to foreclose vendor's lien and restrain waste, alleging defendant to be insolvent. If the sale was by contract or with mortgage, waste can be prevented.—Rood.

BURIAL LOT.

My cousin owned a farm next to me, and our farms are on a small lake. While he owned the farm he buried a child on the bank of this lake. The grave was fenced with a picket fence and a vine grew up and covered the fence. The man who bought the land has owned it for twenty years and is selling the land for summer homes. The party who bought this lot with the grave on pulled down the fence. Grave was not mentioned in the deed of the lot.—T. H. S.

I understand this to be a single burial outside of a dedicated cemetery, in which the relative has made absolute conveyance of the land. There seems to be no duty of the owner of the land to maintain the marks over the grave; but I know of no decision concerning his liability for removing the marks, nor any statute covering it except Compiled Laws 1915, Sec. 15485, making it a misdemeanor to mutilate, deface or remove any monument, gravestone or other thing placed to mark the burial of the dead, or wilfully to remove or mutilate any enclosure or shrub about the same.—Rood.

PASTURING PIGS.

I am thinking of sowing peas to turn hogs into then into the corn field. What do you think of the plan, and what kind of peas would you sow? As this is new to me I would like some advice. Perhaps it would be well to have some pasture clover or something.—J. B. C.

Canada field peas make a very good

forage crop for hogs. To do their best they should be sown rather early in the spring, however. Sowing peas in the corn at this late date would be a rather doubtful policy.

In hogging down corn the ideal arrangement would be a field of alfalfa or clover adjoining the corn field where the hogs could run at will. The next best plan, according to my way of thinking, would be the sowing of Dwarf Essex rape in the corn at the last cultivation. Forage crops for swine are very desirable and aid greatly in the economical production of pork.—P. P.

RHEUMATISM.

I have a three-month-old pig which we brought up on the bottle. It eats good but is quite lame. Sometimes she cannot get up and at others she can get around fairly well. The joints on all four legs are quite badly swollen and are growing more so all the time. If you touch her she squeals as though sore all over. If handled much she has diarrhea.—W. B.

No doubt it is some form of rheumatism that ails your pig. It is hard to say what the cause is as it appears under various conditions. The animal should be kept in a warm, dry place and as comfortable as possible and fed a laxative ration. If necessary in order to keep the bowels open give one ounce of epsom salts twice a week. It would be well to rub the joints with a mixture of turpentine and sweet oil, equal parts. Your local veterinarian might prescribe a remedy that would hasten recovery.—P. P. P.

RENTING ON SHARES.

What would be a fair division of the profits on a thirty-acre farm fully equipped with machinery and stock, owner furnishing everything, including seed. What provision should be made for labor and threshing. If raspberries and strawberries were planted what would be the share of each? Can you suggest a suitable legal form of lease?—L. R. E.

Where the landlord furnishes live stock and machinery, the tenant furnishes the labor and gets one-third of the proceeds. Expenses, such as seed and threshing bill, are usually divided in the same manner as the proceeds.

Where strawberries and raspberries are on the place the proceeds can be divided same as above, providing at the termination of the lease the same number of acres of berries, in as good a condition, are left on the farm.

Satisfactory legal form can be purchased at book stores or obtained from notary public.

Special agreements are a matter of "give and take" and can be written into the lease.—F. T. Riddell.

MALICIOUS MISCHIEF.

During my absence from the farm, my hired man cut off about eight inches of each of my cow's tails, leaving only a short "paint brush" for them to fight flies with. He did this four weeks ago. Have I any means of redress? What can be done about mutilating animals in that fashion?—E. L. F.

The person committing the injury is liable in an action on the case for the injury done and might also be prosecuted for malicious mischief.—Rood.

MEETING ANNOUNCED.

NOTICES have been sent out by Secretary Lyman, of the National Board of Farm Organizations, calling a semi-annual meeting of that organization at the Temple of Agriculture, 1731 Eye Street, Washington, October 3-5, 1922.

GRAPE GROWERS ADOPT STANDARD GRADES.

At a recent meeting of fifty-four delegates who were representing all grape growers in southern Michigan, standard packages and grades were adopted.

The three standard grades are the choice, or table grapes, to be packed in two or four-quart baskets and to be strictly first-class grapes. The second grade, designated as No. 1, is to be packed in a twelve-quart basket and is to contain ninety per cent perfect grapes. The third grade will be packed in twelve-quart, or larger, baskets and will contain all grapes below the first two classes. The latter class will comprise the wine or juice grapes.

The association voted to employ nine inspectors to be paid by the growers, but to work under the jurisdiction of the State Department of Foods and Standards. The duty of these inspectors is to see that these grades and standards are maintained in the packing of the present harvest.

The growers believe that the adoption of these grades will stimulate the prices and change a dull market into an active one.

ROADSIDE BUYERS SAVE SITUATION.

MANY of the fruit growers in the western Michigan fruit belt would have suffered disaster as far as this season's crop is concerned had it not been for the city autoist who came to his farm to buy fruit. At the time of the heaviest harvest, freight cars were very scarce, and it would have been impossible to have moved the fruit in the ordinary way; but the city automobilist from Chicago and western Michigan cities helped many of these farmers to dispose of the bigger part of their crop by their purchases.

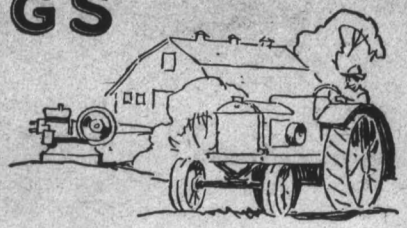
RASPBERRY MOSAIC

RASPBERRY growers are much concerned over the increasing losses sustained from raspberry mosaic or yellows. The disease is prevalent in all raspberry sections and nearly every planting has infested bushes.

Mosaic produces a yellow, mottled appearance of the foliage and a dwarfing of the canes and, when once infected, the plant and all its canes will always carry the disease. The yield of diseased plants is much reduced, and the berries are crumbly and seedy and entirely lacking in flavor. So far as is known at present, the only way in which mosaic is spread from one plant to another is by the raspberry louse or aphid, an otherwise rather harmless insect. Since these aphids rarely, if ever, develop wings, the spread of the disease is quite slow and it has probably taken many years for mosaic to reach its present proportions in commercial plantings.

Recently, a plant disease expert was appointed to the staff of the New York Agricultural Experiment Station at Geneva who is to devote his entire time to a study of the diseases of small fruits. He has already begun work on the raspberry mosaic and, in his opinion, the only remedy for the present situation is the planting of disease-free stock. Since growers have not been in the habit of selecting clean stock, much diseased material has undoubtedly gone into new plantings. The big problem today, then, is to produce disease-free stock on a sufficiently large scale to supply the commercial grower. While this will probably take from three to five years, the outlook for the future of the raspberry industry is really quite encouraging, as it seems reasonable to expect good results from a rigid elimination of diseased plants and the setting out of disease-free stock.

McQUAY-NORRIS PISTON RINGS PISTONS PINS



They will cut down your Gas, Power and Transportation expense

Your tractor, truck, engine or pump, and your automobile all depend upon the motor's piston rings, pistons and pins for economy and the machine's length of life. There is great waste in all of them when wear has taken place in these three vital units. And these parts wear faster in farm motors than they do in city-used motors, because of dusty roads and fields.

Dust works into the cylinders through the carburetor and mixes with the lubricating oil where it acts as an abrasive and produces more wear than happens in city automobiles that operate on paved streets. There is special need for farmers to overhaul their gasoline motors.

Thousands of added miles of car life and many added hours of power usefulness can be given most motors by renewing their piston rings, pistons and pins. The gas and oil saving will generally pay the expense of renewing them. They

really need renewing just as much as tires do. There is this difference: you can see tire wear easily, but you cannot see piston ring, piston and pin wear. Power loss in the motor and an increase in gas and oil consumption tells you of it, however.

Sometimes only piston rings are required to restore these losses due to wear. There is a McQuay-Norris ring for every purpose and price—all made of Electric Iron.

If, however, the cylinders are worn enough to necessitate regrinding or reboring, then McQuay-Norris Wainwright Pistons and Pins are needed as well as McQuay-Norris Piston Rings. The McQuay-Norris line offers a complete renewal service for motor wear. Send for our Free Booklet, "To Have and to Hold Power," which explains the whole subject of motor wear and its correction. Address Dept. AE.

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McQuay-Norris Wainwright Pistons and Pins—gray iron pistons as light in weight as safety permits—specially designed for replacements—available in standard sizes and over-sizes—also in semi-finished form 75-thousandths over-size—pins of special hardened steel, ground to exceptional accuracy.

\$125 LEAK-ROOF

Per ring an exclusive two-piece design preventing loss of gas and compression. Gives equal pressure at all points on cylinder walls. For all piston grooves except top, which should have Superoyl. Each ring packed in a parchment container.

\$100 Superoyl

Keeps lubricating oil out of combustion chamber. Collects excess oil on each down stroke of piston and empties on each up stroke, which ordinary grooved rings cannot do. Each ring packed in a parchment container.

50c JIFFY - GRIP

Per ring a one-piece ring. Non-butting joint, which can be fitted closer than ordinary step cut—velvet finish—quick seating. "Seats in a jiffy." To keep them clean and free from rust, each ring is packed in an individual glassine envelope.

Snap

—of the highest grade. Raised average by McQuay-Norris manufacturing methods. Their use insures all the satisfaction possible for you to get from a plain snap ring. They are packed twelve rings to the carton and rolled in waxed paper.



The NEW JENNEY SILO FILLER HUSKER SHREDDER

3 Machines in ONE

Fills Silo—Husks Corn—Shreds Fodder

The Jenney more than pays its cost in one season

Fills Your Silo

with green silage, just like any silo-filler, but does it much better.

Husks Your Corn

and fills your silo with stover silage at one operation—giving you double value from your corn crop.

Shreds Your Fodder

With its special shredder head this machine husks the corn and shreds the fodder better than ordinary shredders.

Saves Your Ear Corn

When ear corn is put in the silo it must be fed to all stock alike, whether they need it or not. With this machine you can make stover silage out of the fodder and put your ear corn in the crib to be fed any way you wish. This saving in one crop more than pays for a Jenney Silo-Filler, Husker, Shredder.

Valuable Silage Book Free

By all means send for this valuable FREE Silage Book—it tells the food value of Stover Silage compared to corn silage—when to make it—how to double the money you now get out of your corn crop. A postal brings it, postpaid. Also illustrates and describes this wonderful 3-in-One, money-saving machine.

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One Farm Engine Does It All

Write now for facts about this wonder engine. Gives 1½ to 6 horsepower. Gasoline or kerosene. No cranking. Portable, light, durable. Only one size, adjusts from 1½ to 6 horsepower. Pumps, saws, grinds, does all chores. Plenty of power for every purpose. Easy to operate. Price Now Lower Than Pre-War Tremendous value. Money-back guarantee. Write at once for catalog and special offer. The Edwards Motor Co., 419 Main St., Springfield, Ohio

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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. Governed 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. Exact it yourself. Ask your dealer, or write direct to Union Steel Products Co. Ltd. No. 528 N. Berrien Street, ALBION, MICHIGAN, U. S. A.

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THE BOY'S PIG.

LAST spring I told the Michigan Farmer readers about the pig the boy bought in December, and of how fast she grew. The twenty-ninth of August she presented him with five large, lively pigs, and when they were four days old they followed the sow out of the house. When she began to eat sweet clover, these four-day-old pigs followed her example and ate sweet clover, which goes to show they were some pigs and that sweet clover is a good pig feed. When the pigs were just a week old the boy took them to the Tri-County Fair, at Buckley, the sow, and pigs, and they came home with fine curls in their tails and brought a blue ribbon with them.—Apollon Long.

"CERTIFIED HERDS" TO BE CONTINUED.

THE Wisconsin Swine Breeders' Association is so well satisfied with its initial experience in exhibiting certified herds at the state fair this year, that they will continue the plan next year. The fall pigs to be shown in 1923 will be inspected sometime about the middle of September.

Briefly, the plan is as follows: In order to have a certified herd to show, a breeder must have his pigs inspected and marked by a disinterested person, such as a county agent, while the pigs are suckling their dam, when their approximate age can easily be determined. This practice tends to eliminate the fraudulent showing of pigs, as younger than they actually are.

CONTEST FOR COUNTY AGENTS.

THE first contest open exclusively to county agents that we have learned about is the following: Plans have just been completed by the Soil Improvement Committee to enlist the attention of county agents of the northern and eastern states in a constructive soil fertility program in every county of this section of the country.

The statement of the plan urges upon county agents the importance of building up the soil fertility and formulating a definite program which takes into account every factor affecting the successful agricultural development of their respective counties.

The territory is divided into four districts and the programs of the various county agents which must be submitted before October 15, will be passed upon by four judges who will select the two best programs from each district. The authors of these programs will then be given a free trip to the annual meeting of the American Society of Agronomy for 1923.

BROWN EGGS BEST.

ONE of the perennial subjects of discussion between producers as well as consumers of eggs was the matter of choice between white and brown eggs. In some markets, New York, for instance, the brown egg is greatly in disrepute and the white egg brings a premium price. In Boston, however, brown is the prevailing color in eggs.

Lately the United States government investigated and have settled the question by a scientific analysis. They have found that the brown shell is firmer and less porous and, therefore, the egg inside of the brown shell is in a much more sanitary package than that contained in the white shell. In other words, the egg of the Plymouth Rock is less susceptible to contamination than that of the White Leghorn.

No good work is ever lost; many laborers must be content to sow; others will come to reap the harvest.—Max Muller.

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Over 50 Styles and Size Stoves and Ranges.

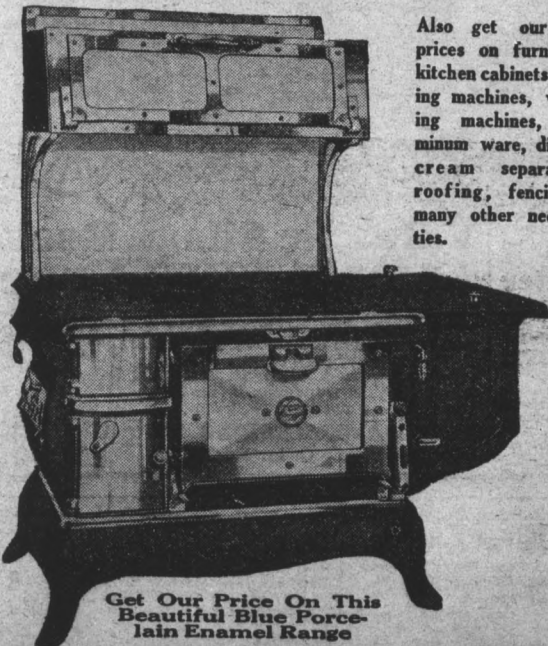
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\$52.95
and up—



Also get our low prices on furniture, kitchen cabinets, sewing machines, washing machines, aluminum ware, dishes, cream separators, roofing, fencing—many other necessities.



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Get your copy of this catalog at once. See for yourself how you can save dealing direct with manufacturers. Money-back guarantee; 30 days' trial; cash or easy payments; 24-hour shipment. Don't wait. Mail the coupon now. Ask for Catalog No. 909.

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WORLD EVENTS IN PICTURES



After much hard work and superhuman effort, the rescue squad at the mine in Jackson, California, finished their work too late to save the lives of the forty-seven entombed miners.



As soldiers they are bears. It took two thousand men of the California National Guard of Camp Stevens, Monterey, California, to do this little stunt.



Glenn Curtiss was able to glide for nine seconds over Hempstead Bay in this light motorless seaplane of 140 pounds.



Great relief follows the report that the "First Lady of the Land" is improving after a serious illness.



Miss America is in the center and is considered the most beautiful girl in America. With her are the first and second prize winners.



Mrs. Zane Grey and son take father's prescription and hike to Mt. Rainier for a little fresh air.



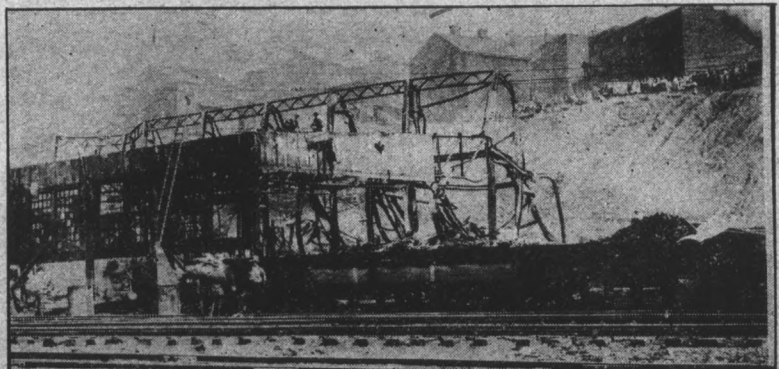
These beauties from fifty-seven cities are holding up the golden keys presented to them by Mayor Bader at the opening of Atlantic City's Pageant and Beauty Tournament.



The Secretary to Secretary of War Weeks returning from Panama, wearing this \$9.00 flour sack suit.



War has again driven fear into the hearts of the inhabitants of Smyrna. Suffering and danger to American life was felt when the Turks bombarded this city and finally burned it.



Showing all that was left of the Pennsylvania Railroad bunk-house in Pittsburgh, where seven were burned to death and ten injured. Those escaping were forced to jump thirty feet to the ground.

THE CROSS-CUT — *By Courtney Ryley Cooper*

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"Don't do it!" gulped the Cornishman. "Do you want me to go up like a skyrocket? Them weights is all at the top. We've got to fix a plug down 'ere to 'old this blooming bucket or it'll go up and we'll stay down."

Working from the side of the bucket, still held down by the weight of the two men, they fashioned a catch, or lock, out of a loop of rope attached to heavy spikes, and fastened it taut.

"That'll 'old," announced the big Cornishman. "Out we go!"

Fairchild obeyed with alacrity. He felt now that he was really coming to something, that he was at the true beginning of his labors. Before him the drift tunnel, damp and dripping and dark, awaited, seeming to throw back the flare of the carbides as though to shield the treasures which might lie beyond. Harry started forward a step, then pausing, shifted his carbide and laid a hand on his companion's shoulder.

"Boy," he said slowly, "we're starting at something now—and I don't know where it's going to lead us. There's a cave-in up 'ere, and if we're ever going to get anywhere in this mine, we'll 'ave to go past it. And I'm afraid of what we're going to find when we cut our wye through!"

Clouds of the past seemed to rise and float past Fairchild. Clouds which carried visions of a white, broken old man sitting by a window, waiting for death, visions of an old safe and a letter it contained. For a long, long moment, there was silence. Then came Harry's voice again.

"I'm afraid it ain't going to be good news, Boy. But there ain't no wye to get around it. It's got to come out sometime—things like that won't stay 'idden forever. And your father's gone now—gone where it can't 'urt 'im."

"I know," answered Fairchild in a queer, husky voice. "He must have known, Harry—he must have been willing that it come, now that he is gone. He wrote me as much."

"It's that or nothing. If we sell the mine, some one else will find it. And we can't 'it the vein without following the drift to the stope. But you're the one to make the decision."

"He told me to go ahead, if necessary. And we'll go, Harry."

CHAPTER XIII.

A Hidden Secret Revealed.

THEY started forward then, making their way through the slime and silt of the drift flooring, slippery and wet from years of flooding. From

above them the water dripped from the seep-soaked hanging-wall, which showed rough and splotchy in the gleam of the carbides and seemed to absorb the light until they could see only a few feet before them as they clambered over water-soaked timbers, disjointed rails of the little tram track which once had existed there, and floundered in an out of the greasy pockets of mud which the floating ties of the track had left behind. On—on—they stopped.

Progress had become impossible. Before them, twisted and torn and piled about in muddy confusion, the timbers of the mine suddenly showed in a perfect barricade, supplanted from behind by piles of muck and rocky refuse which left no opening to the chamber of the stope beyond. Harry's carbide went high in the air, and he slid forward, to stand a moment in thought before the obstacle. At place after place

he surveyed it, finally to turn with a shrug of his shoulders.

"It's going to mean more'n a month of the 'ardest kind of work, Boy," came his final announcement. "'Ow it could 'ave caved in like that is more than I know. I'm sure we timbered it good."

"And look—" Fairchild was beside him now, with his carbide—"how everything's torn, as though from an explosion."

"It seems that wye. But you can't tell. Rock 'as an awful way of churning up things when it decides to turn loose. All I know is we've got a job cut out for us."

There was only one thing to do—turn back. Fifteen minutes more and they were on the surface, making their plans; projects which entailed work from morning until night for many a day to come. There was a track to lay, an extra skip to be lowered, that

they might haul the muck and broken timbers from the cave-in to the shaft and on out to the dump. There were stulls and mill-stakes and lags to cut and to be taken into the shaft. And there was good, hard work of muscle and brawn and pick and shovel, that muck might be torn away from the cave-in, and good timbers put in place, to hold the hanging wall from repeating its escapade of eighteen years before. Harry reached for a new axe and indicated another.

"We'll cut ties first," he announced.

And thus began the weeks of effort, weeks in which they worked with crude appliances; weeks in which they dragged the heavy stulls and other timbers into the tunnel and then lowered them down the shaft to the drift, two hundred feet below, only to follow them in their counter-balanced bucket and laboriously pile them along the sides of the drift, there to await use later on. Weeks in which they worked in mud and slime, as they shoveled out the muck and with their gad hooks tore down loose portions of the hanging wall to form a roadbed for their new tram. Weeks in which they cut ties, in which they crawled from their beds even before dawn, nor returned to Mother Howard's boarding house until long after dark; weeks in which they seemed to lose all touch with the outside world. Their whole universe had turned into a tunnel far beneath the surface of the earth, a drift leading to a cave-in, which they had not yet begun to even indent with excavations.

It was a slow, galling progress, but they kept at it. Gradually the tram line began to take shape, pieced together from old portions of the track which still lay in the drift and supplemented by others bought cheaply at that graveyard of miner's hopes—the junk yard at Ohadi. At last it was finished; the work of moving the heavy timbers became easier now as they were shunted on to the small tram truck from which the body had been dismantled and trundled along the rails to the cave-in, there to be piled in readiness for their use. And finally—

A pick swung in the air, to give forth a chunky, smacking sound, as it struck water-softened, spongy wood. The attack against the cave-in had begun, to progress with seeming rapidity for a few hours, then to cease, until the two men could remove the debris which they had dug out, and haul it by slow, laborious effort to the surface. But it

Memory Days

By C. R. Cook

Early in the Autumn season

When the leaves turn gold and red,
We will turn our thoughts and footsteps

To the "City of the Dear."

For we feel it is becoming

In a Christian Land, like ours,

To remember our departed

With some little gift of flowers.

To see the lots are leveled up

And the markers are in place,

That no ugly weeds are growing

That in any way deface

Or detract from Nature's Beauty

Or give hint of careless care

Be it Father, Mother, Sister

Or a Brother lieth there.

With our boasted weath and culture

In a Christian Land, like ours,

To neglect the early graveyards

Would most surely be to miss

Both a blessing and a pleasure

That will come, in after years,

If we but remember kindly

Graves of Early Pioneers.

They, who opened up the forest

And laid bare the teeming soil

Making-way for you and I

With their hard, heroic toil.

In those early graves are resting,

Oft neglected and forgot,

Til the thorns and brambles growing

Hide from vision the sacred spot.

'Mong the old, familiar landmarks

What more worthy of our best

Than those early Burying Grounds

Where our noble Forbears rest.

They, who laid the firm foundation

On which rests the weal of State

Little dreamed how well they builded

Massive though their deeds be great.

Oft within much neglected places

Rests our Nation's Noble Dead

Who, to save our Country's Honor

On the Field of Battle bled.

And shall we not remember them

For the noble part they played

And protect and beautify

The lone spots where they are laid.

Now we wait, in faith believing,

For the Coming of the Lord

When the Saints shall rise, in glory,

And receive their faith's reward,

Soul and body, reunited,

When the mists are rolled away,

And the things, we see now darkly,

Are revealed, in perfect day.

Meanwhile, let us do our duty

As it is revealed today

Turning somber things to beauty

Lifting furdens while we may.

Shedding Faith and Hope and Sun-

shine

Round us, in a Land of Love,

Trusting we shall live forever

In a better Home, Above.

AL ACRES—A Gives a Service that Knocks Them Over.

—By Frank R. Leet.



was a beginning, and they kept at it.

A foot at a time they tore away the old, broken, splintered timbers and the rocky refuse which lay piled behind each shivered beam; only to stop, carry away the muck, and then rebuild. And it was effort—effort which strained every muscle of two strong men, as with pulleys and hand-made, crude cranes, they raised the big logs and propped them in place against further encroachment of the hanging wall. Cold and damp, in the moist air of the tunnel they labored, but there was a joy in it all. Down here they could forget Squint Rodaine and his chalky-faced son; down here they could feel that they were working toward a goal and lay aside the handicap which humans might put in their path.

Day after day of labor and the indentation upon the cave-in grew from a matter of feet to one of yards. A week. Two. Then, as Harry swung his pick, he lurched forward and went to his knees. "I've gone through!" he announced in happy surprise. "I've gone through. We're at the end of it!"

Up went Fairchild's carbide. Where the pick still hung in the rocky mass, a tiny hole showed, darker than the surrounding refuse. He put forth a hand and clawed at the earth about the tool; it gave way beneath his touch, and there was only vacancy beyond. Again Harry raised his pick and swung it with force. Fairchild joined him. A moment more and they were staring at a hole which led to darkness, and there was joy in Harry's voice as he made a momentary survey.

"It's fairly dry be'ind there," he announced. "Otherwise we'd have been scrambling around in water up to our necks. We're lucky there, any'ow."

Again the attack and again the hole widened. At last Harry straightened.

"We can go in now," came finally. "Are you willing to go with me?"

"Of course. Why not?"

The Cornishman's hand went to his mustache.

"I ain't tickled about what we're liable to find."

"You mean—?"

But Harry stopped him.

"Let's don't talk about it till we've got to. Come on."

Silently they crawled through the opening, the silt and fine rock rattling about them as they did so, to come upon fairly dry earth on the other side, and to start forward. Under the rays of the carbides, they could see that the track was in fairly good condition; the only moisture being that of a natural seepage which counted for little. The timbers still stood dry and firm, except where dripping water in a few cases had caused the blocks to become spongy and great holes to be pressed in them by the larger timbers which held back the tremendous weight from above. Suddenly, as they walked along, Harry took the lead, holding his lantern, Harry's face was white, his big hand behind it, as though for a reflector. Then, just as suddenly, he turned.

"Let's go out," came shortly.

"Why?"

"It's there!" In the light of the lantern, Harry's face was white, his big lips livid. "Let's go—"

But Fairchild stopped him.

"Harry," he said, and there was determination in his voice, "if it's there—we've got to face it. I'll be the one who will suffer. My father is gone. There are no accusations where he rests now; I'm sure of that. If—if he ever did anything in his life that wasn't right, he paid for it. We don't know what happened, Harry—all we are sure of is that if it's what we're—we're afraid of, we've gone too far now to turn back. Don't you think that certain people would make an investigation if we should happen to quit the mine now?"

"The Rodaines!"

"Exactly. They would scent something, and within an hour they'd be down in here, snooping around. And how much worse would it be for them to tell the news—than for us!"

"Nobody 'as to tell it—" Harry was staring at his carbide flare—"there's a wye."

(Continued next week).

RURAL HEALTH

By Dr. C. H. Lerrigo

THE CHANGE OF LIFE.

I SPEND a great deal of space trying to correct wrong impressions. One that I find to be very popular is that there is danger of insanity at "the change of life." My own experience with women patients during a range of twenty years' practice leads to the conclusion that there is absolutely no danger. A large proportion of women pass through the climacteric in very comfortable health, without any ill symptoms, and from that time enjoy the best season of their lives. There remain many women who are not so fortunate. They have at this time many uncomfortable symptoms, chiefly referable to the nervous or circulatory systems. It is not surprising. Functions that have held sway more than thirty years cease. Vessels of large caliber atrophy. Circulatory changes of great importance occur. It is not surprising that many new feelings and some that may well be classed as aches and pains occur. But here is the point: If a woman knows that such things are likely and resolves to make as little of them as possible for the year or two in which they are prominent, she is apt to get along very well. On the other hand, if she is in dread of some impending calamity, if she feels that every ache is but the forerunner of some destructive disease, if she concludes that a sleepless night or a momentary forgetfulness mean that she is on the way to insanity, then the outlook for her is very dreary. She is apt to lose courage, not because she cannot stand what comes, but because she is fearful of what may come. The nervous system does not do well under such treatment and real trouble fastens upon her. To such a patient the change of life is indeed a perilous passage while her neighbor who feels that nothing very bad can come, and that the aches and pains she feels are merely incidental to a physiological change, finds herself making the same passage, while her neighbor who feels there is not very much to be offered in the way of medical aid, but cases that are excessively troubled with nervous symptoms may sometimes get a measure of relief from a physician who thoroughly understands the nature of their case.

HEART TROUBLE.

G. A. S.—When a person having heart disease is compelled to sit up in bed in order to breathe, he is in an advanced stage of the trouble and the outlook for permanent improvement is poor.

DIFFICULT BREATHING.

I am a young man twenty-three years of age, and apparently in good health. But at times it is hard for me to get my breath. It seems like there is a great weight pressing against my chest. This will last a few days, then disappear, only to return in a short time. Can you tell me of anything I can do to relieve this?—G. R. J.

Have an examination of heart action and blood pressure. If you are a heavy user of tobacco it may be the cause of the trouble.

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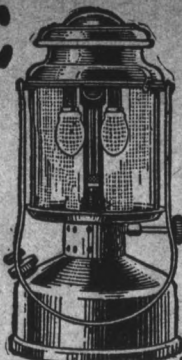
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**Woman's Interests****Some Aluminum-Ware Pointers**

ALUMINUM probably makes a stronger appeal to the housewife who is buying a few new kitchen utensils or the one who would like a few more, than any other ware. Attractiveness, lightness and durability are all so efficiently combined in this ware that it is becoming more and more popular. The bright silvery appearance of this ware makes a strong impression on the housewife who wishes a decidedly attractive kitchen. Aluminum will not tarnish. Its lightness makes it especially suitable for such articles as large frying pans, double boilers, and roasters, which in cast iron are too heavy to be handled conveniently.

Aluminum is as strong as iron. In fact, it is often used in the place of

utensil and time of the housewife.

The initial cost of aluminum is higher than some of the other wares, but this is greatly offset by its durability and economy in fuel. It requires less heat when used as a cooking utensil, for it conducts heat readily. Heat is distributed through it twice as fast as through tin, and three times as fast as through iron. Handles of aluminum utensils are very often tinned iron, steel or wood because aluminum ones become hot so quickly. In addition to conducting heat readily, it also retains heat longer than any other metal. Coffee and tea will keep hot longer than in any other metal.

There are two varieties of aluminum-ware, the cast from liquid aluminum, and the stamped from sheet aluminum.



iron when strength and lightness are both required, as in airships. The remarkable durability of this metal assures one that an article of good aluminumware will last a lifetime. This metal is also non-rusting, a quality which means much in any cooking

Utensils made in cast aluminum the melted metal is simply poured into a mold of the desired shape. The chief advantages of this process is that extra thickness can be given to the parts of a utensil where it is most needed and many shapes and patterns can be made.

by the stamping process are drawn from sheets of aluminum and by different steps are brought to the desired shape. Stamped articles often have lengthwise wrinkles in the metal. These are removed by pressing an iron tool against the utensil as it revolves.

The care of aluminum is a very important factor as in all utensils if it is to appear at its best. A very important point in the case is that caustic alkalies, such as lye, ammonia, strong washing powders or soaps containing alkalies, must be avoided. Any pure soap or metal polish without grit will cleanse the polished surface. The inside often becomes discolored after cooking foods containing iron, such as spinach, or if hard water is used. This is harmless and can easily be removed by a good cleaning powder. A thick black coating can be removed with steel wool. Coatings of burned grease can be removed by boiling utensil about five minutes in a gallon of water to which three or four teaspoons of oxalic acid crystals have been added. Wash the utensil afterward with plenty of soap and hot water.

A wrong impression that many people hold is that it is harmful to cook acid foods in aluminum-ware. Very careful experiments have been performed along this line and it has proved that there is no danger from the use of aluminum cooking utensils.

Household Service**USE GRANDMOTHER'S CARDS.**

For Mrs. F. F. W., who wanted to know how to prepare wool for comforters, I would say after the wool is washed and dried that if it is possible, obtain some of the cards used in grandmother's day. These are fine for carding the wool and making it fluffy for use in comforters.—Mrs. A. S.

MAKE YOUR SILVER SHINY.

Can you tell me of a good solution to clean silver that can be made at home?—Mrs. J. O. S.

An alkaline solution for cleaning silver is made by dissolving four teaspoons of borax, three teaspoons of washing soda, two teaspoons of lye in one quart of water. The silver is then placed in an old kettle or pan, covered with this solution, boiled ten minutes and cooled in the water, then polished by giving a thorough rubbing.

TO PREVENT ALUMINUM FROM COLORING.

Having recently purchased some aluminum ware, I am anxious to keep these utensils bright. I am told that they will quickly lose their shiny appearance and would like to know something to keep them from discoloring.—Mrs. A. B.

Alkalis discolor aluminum, therefore it should not be washed with strong soap, and do not use scouring powder containing free alkali. Rub with steel wool (Grade 00) or vinegar.

MAKE SOAP FROM MEAT SCRAPS.

Could you give me a good recipe for making soap from meat scraps?—Mrs. R. M.

Use any kind of old fat or rendered grease, kinds and cracklings, also old spoiled fat meat.

Put fifteen quarts of rain water into

an old kettle with not too hot a fire under it. Into the water empty the contents of two cans of good lye, one-quarter pound of borax and two pounds of rosin. The rosin may be left out, but the soap will not harden as quickly. Let this mixture get hot and then and nine pounds of fat, rinds and cracklings, and cook until like molasses, stirring constantly. The lye will eat the fat, rinds and all. Try some of the mixture in a saucer. If, when cool, there is no lye in the bottom, it is done. It can be left in the kettle and cut out in chunks when cool enough, which will be about one hour, if the weather is cold, or it may be poured into pans to cool.

This soap is ready to use in about a week. It is a light yellow or tan color. If made in cold weather, it should be put where it will not freeze, or it will not harden fast.

ROUGE, A LIFE-SAVER.

THE Michigan Farmer has published many comments on "Modesty" and its relation to present day dress. I have enjoyed these very much and have cast my opinion with the majority. But when it comes to speaking of rouge, I don't agree with some. I do not speak of it in the sense that many think of it. It is vulgar and not even an aid to beauty when used as "the flapper" of 1922 uses it. The Indians used to paint their faces for their ceremonious war dances and when one walks down the streets of some of our large cities they think that some are on "the war-path." With shaved eyebrows, painted black, ruby lips—even brighter than our neighbor's barn that has just been painted—and cheeks as brilliant as a rose, they are almost barbarous in appearance.

There is nothing attractive about

them, nothing natural. But to me rouge has been a life-saver. It has helped me many times, but I never use it to the extreme others do.

When one gets up in the morning with that haggard look from a sleepless night caused by over-work, worry, indigestion or numerous other reasons, that is when rouge is really a life-saver. I put on just enough to tint the cheeks to take away that ghastly look and everyone is not saying, "Oh, my! Lena, how bad you look this morning. I feel sorry for you. Now be careful, and go and sit down or you'll be sick." When everyone is talking to you like that, you couldn't look bright if you wanted to. It has helped me over many a weary day and I could keep my feelings to myself and were not overloaded with sympathy. I do not recommend it for wholesale fashion. But is there a woman who does not feel better mentally when she knows she looks better physically?—Mrs. H.

TESTED RECIPES

Grape Conserve.—half peck grapes, two oranges (juice), two lemons, one cup chopped nut meats, sugar equal quantities as you have mixture. Wash fruit, remove grapes from stems. Remove skins from pulp. Cook pulp until soft. Strain to remove seeds. Place the strained pulp and skins in the preserving kettle. Add orange and lemon juice.

Mixed Pickle.—Two cups of string beans, two cups of wax beans, one quart cucumbers, one quart onions, one tablespoon stick cinnamon, one tablespoon whole cloves, half tablespoon of allspice, half tablespoon mace; half teaspoon celery seed, one and one-half quarts vinegar, two cups of sugar, one tablespoon mustard seed. Cook the vinegar with the spices and the sugar, then remove the spices. Cook vegetables in vinegar three minutes. Pack in sterilized jars and seal.

A Great Man

Our Weekly Sermon—By N. A. McCune

THE beginning of Saint Luke's gospel contains a very interesting statement. He says that he went about gathering up the material for the book he was about to write. He says he gathered the most accurate material he could find, that which was supplied by eye witnesses. This does not mean that divine inspiration was not present, but it does throw a bright light on the human side of the writing of this book of the Bible. And the method Luke employed was doubtless also used by other writers. "Seeing that many have attempted to draw up a narrative of the facts which are received with full assurance among us on the authority of those who were from the beginning eye witnesses and were devoted to the service of the divine Message, it has seemed right to me also, after careful investigation of



the facts from their commencement, to write for you, most noble Theophilus, a connected account, that you may fully know the truth of the things which you have been taught by word of mouth." Who Theophilus was is not known

with certainty. Luke dedicates his book to him, just as many a modern writer does.

Luke starts right in with a description of the parentage and birth of a man who had an immense influence in those days, John the Baptist. We are told some things about him that we would like to know about other Bible characters: the kind of parents he had; his education, the manner of his bringing up, and his manner of living. It is evident that Luke, the author, is a great admirer of John the Baptist. To him John is a hero, and he is a willing hero-worshiper. And, indeed, John the Baptist must have been a very strong character. One can call him a great man, without abusing the words. From his earliest appearance as a public teacher he had a tremendous influence. Men of all ranks came to listen, and were dumfounded at his fearless exposure of their sin. He was as fearless as the lions in the wilderness where he had lived. When he died, one might have said of him as they said of John Knox, "Here lies one who never feared the face of man." But we must not talk of him as a teacher. That comes later on.

THIS man, John the Baptist, was the son of a priest, or, as you would call him, more likely, the son of a preacher. We are told that his parents were strict and old-fashioned. "And they were both righteous before God, walking in all the commandments and ordinances of the Lord blameless." It is a common impression that ministers' sons are a bad lot. That terrible fellow, the preacher's boy, has many hard things said about him. Evidently John the Baptist was an exception, and evidently also there are a few thousand exceptions now. Preachers' boys are not as bad as people like to make out.

Statistics have been recently compiled which show that of the four hundred captains of industry in America, five per cent are the sons of bankers, ten per cent are the sons of merchants twenty per cent are the sons of lawyers, doctors and teachers, and thirty per cent are the sons of ministers whose salaries are below twelve hundred dollars a year. In other words, as many are the sons of ministers with this low income as are the

sons of farmers, tradesmen, office-workers, professional men and others combined. The number of ministers' sons who appear in "Who's Who in America" is out of all proportion to the number of the ministers' families in the nation. A man who has searched the records for instances of bad ministers' sons who were bad and remained bad all their lives, states that he has found one—Aaron Burr. Of those who have figured very prominently in public life who sprang from the manse, we might name, Oliver Wendell Holmes, the poet; Hancock, first signer of the Declaration of Independence; Bancroft, the historian; Agassiz, the naturalist; Henry Clay, orator and popular idol; Emerson, the essayist. The famous Field Brothers, Stephen Field, justice of the United States Supreme Court; David Dudley Field, the jurist, and Cyrus W. Field, the man who laid the Atlantic cable; General John B. Gordon, soldier and statesman; Henry Ward Beecher, America's greatest minister; Samuel F. B. Morse, inventor of the telegraph; Arthur, Cleveland and Wilson, three presidents of the United States; Secretary of State Hughes; Judson, former attorney-general; David J. Brewer, Justice of the Supreme Court; Levi L. Morton, vice-president of the United States, and—a long list more.

IT is evident that a boy is not eternally damned if he happens to have a preacher for a dad. And John the Baptist is no exception. He was what his father was, but a thousand fold greater. It counts who your parents are. Heredity helps. Family life counts. Training sinks deep.

From what Luke says, it is clear that he considered John a great man. The child that was promised to Zacharias was to drink no liquor, and should be filled with the holy spirit. He was in addition to that to possess the power of God, as Elijah had had it. In fact, he was to be like Elijah. And like Elijah he was. This may mean little to us. But to the Jews, there could be no higher honor than to have the "spirit and power of Elijah." Men had looked back to that stern and lonely figure with longing eyes. Would there ever be another like him? Would he come again? It became a belief that Elijah would some day return. We call our children after big men. The George Washingtons and the Abraham Lincolns and the Ulysses Grants are very numerous. That may be well enough, but it would be a happy consummation if all the boys who are named after great men had the abilities and characters of the men they are named for. If naming a boy George Washington would give him the character of the father of his country, how numerous the Washingtons would be, and how fortunate the nation would be, to have such a clan of great men.

JOHN THE BAPTIST was not named for a great man, but he had the spirit and character of one, which is more important. And there is nothing better than the parent of today can do for his child than to fill his mind with pictures of the lives of great men of the past, or of the present. Picturing to them men who have succeeded at any cost, is not the best thing to do. Teach them to recognize real greatness, to see character and admire it.

SUNDAY SCHOOL LESSON FOR OCTOBER 1.

SUBJECT:—The Birth of John the Baptist.

LESSON:—Luke 1.

GOLDEN TEXT:—He shall be great in the sight of the Lord, and shall drink no wine nor strong drink. Luke 1:15.

No More Cooking Drudgery —Say Farmers' Wives

Thousands of farm women have put the old-fashioned cook stove where their husbands long ago put the scythe and hand cultivator. They are saving time and work by using the famous

Oil Duplex-Alcazar

equipped to burn kerosene oil and coal or wood, singly or together. The oil burners giving an intensely hot flame concentrated on the cooking utensils or under the oven. Always under perfect control. You have a cool, comfortable kitchen on hot days using oil alone. And you use wood or coal alone or burn either with the oil as you please—which means just the kind of fire you want for any purpose at any time. Change from fuel to fuel in a jiffy.

Made to last for years—and splendid looking. Has Patented Burner made seamless from one piece of solid brass.

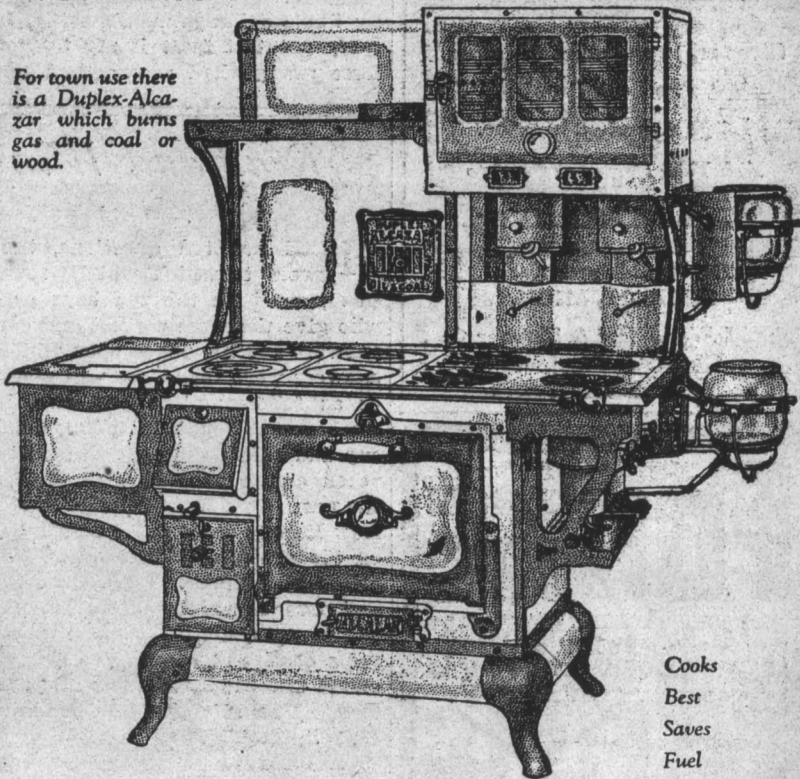
Ask your dealer to show you the Oil Duplex-Alcazar and also the wonderful Alcazar Kerosene Gas Cook Stove. Write for Booklet, showing styles and sizes.

ALCAZAR RANGE & HEATER CO.

417 Cleveland Ave.

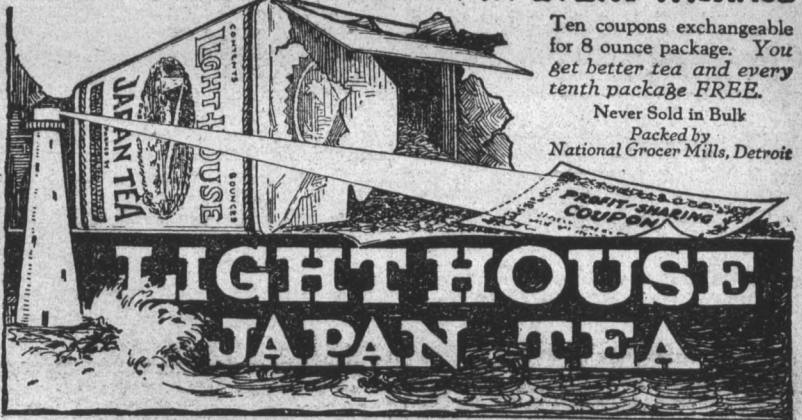
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For town use there is a Duplex-Alcazar which burns gas and coal or wood.



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"Midget" Marvel

Self-Contained Roller Flour Mill

Saves the high freight on wheat out and flour and feed in. "The first eight months I made a net profit of over \$8000," says A. H. Ling, Jetmore, Kan.; "My profits from the 'Midget' Marvel average right around \$40 per day," Chas. M. McKinney, Cooper, Tex.; "Was \$6000 in debt when I bought my 25 barrel 'Midget,' and the little mill pulled me clean out of the hole long before I bought my 40 barrel mill from you," says M. A. Kamm, Oxford, Mich. Capacities: 15, 25, 50 and 100 barrels of as fine roller patent flour a day as any mill can make. Write for free book, "The Story of a Wonderful Flour Mill," trial offer, terms, etc.

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FERRETS FOR SALE

N. A. KNAPP & SON, R. 2, New London, O.

DOGS

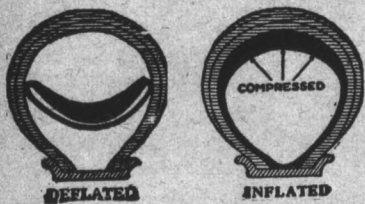
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Put my name on your books for Fouke Market Re-
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grinders are the correct principle
in Feed Mill construction. They
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Bowsher. Have used a No. 4 ten years
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to Feet **No metal touches you. Keep feet in**
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Mention The Michigan Farmer When Writing Advertisers

Our Boys' and Girls' Department

My Greatest Fault---Its Correction

By the Fault Contest Prize Winners

By Opal Milard Bogart, Lapeer, Mich.

My greatest fault is grumbling. Every time I am told to do anything I always get angry and grumble about it.

I grumble when anything goes wrong and when I cannot have my own way.

I am trying to correct it by doing the things I am told without saying a word.

Everybody calls me "Baby Grumpy" and this makes me very much ashamed of myself. And that helps me, also, to quit grumbling. I try to talk kind to everybody. If anything goes wrong I try to make the best of everything. I try to be an optimist.

By Pauline Laughlin, Dansville, Mich.

My greatest fault is my temper. I have always had a very bad temper

attention in trying to correct my fault was when she told me the other day that when I do that way my brain is acting like a horse I saw one day. The man was trying to get a load of gravel out of the pit and one horse would jump ahead, then before the other horse could get a good start he would jump back and he kept that up and wouldn't pull. Mamma said the horse used more strength and nerve energy and got nowhere acting foolish, than if he had just settled down and pulled and got the load going. So now, when I feel like going up in the air because I can't understand my lesson, I think of the way the horse acted and try to settle down to a steady pull.

By Elizabeth A. Elenga, Vicksburg, Mich.

My greatest fault is whenever anyone touches me the least bit, to say, "Don't touch me, leave me alone." I am trying to correct it by doing whatever the person suggests whom I say it to. Sometimes they are quite severe, as once I had to do my brother's work for two days, besides my own. Another time I had to walk to our neighbor and back, a distance of two miles. Also had to give up several pleasures and write "I won't say it again" five hun-

dred times. The harder my tasks are, to correct myself, the more resolute I am to overcome saying it, so it won't be long before I can say, my greatest fault was, and what I did to correct it.

By Lazetta Du Bay, Clifford, Mich.

My greatest fault is in answering "Huh!" to everything that is asked me. Of course, I understood what it was that the person said, but as they finish I'm sure to feel the "Huh" coming on, then I'm obliged to swallow it.

To correct this I try to think of what the person is saying, as I think this "Huh" is due to laziness in speech. I am trying to overcome this by being more interested in things in general and if a person has any interest in what is being said she won't answer "Huh!"

TEACH CHILDREN TO AVOID TRAFFIC DANGERS.

PARENTS should teach their children to use the utmost care whenever there is traffic, either congested or otherwise, if they wish to save them from danger which, as time goes on will be worse instead of better, unless some unforeseen wisdom is put into action, by authorities.—L. C. W.

Our Letter Box

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

Dear Uncle Frank:

I have a little spare time so thought I would write.

School starts today and I am not very glad.

I live on a farm and I do not like it at all. There are not any boys' and girls' clubs around this neighborhood and I never feel happy.

I will describe myself. I have blue eyes, golden hair, am thirteen years old, weigh seventy pounds, and am fifty-six inches tall.

Now, Uncle Frank, may I come again or is once enough?

Well, I will close as my letter is getting long and you may not want me to come again.

Write to me, cousins and uncle. I am sickly, so please write and give me something to do. Your niece, Mildred Howd, Durand, Michigan, RFD. 1.

I believe that if you felt better you would like the country better. I hope many of the boys and girls will write you. Write again when you have time, but in the meantime try to get the happy habit.

Dear Uncle Frank:

I am just another "pal" trying to become a member of your interesting and enjoyable department. I have been reading the letters from the boys and girls and I really think it is "fun."

I live on a farm of ninety-five acres, three miles from Carleton. I am fifteen years old, my birthday is the fifteenth of April, (has any other girl or boy a birthday on the same day)? We have three cows, three horses, fifteen sheep, twenty-one pigs. I like to live on the farm very much.

Two of my favorite sports are ball and reading. I like to play base ball and foot ball, even if I am a girl.

Well, Uncle, I don't want to be selfish and take too much space, so will stop here. Will come again if I may. Another niece, Florence Kallenberg, Carleton, Michigan.

I am glad to hear from "Just An-

other Pal" who enjoys base ball and football. Just be a little careful when playing those games, don't overdo. You certainly can come again.

Dear Uncle Frank:

Am I welcome, too, among your nieces and nephews?

I have been reading the Boys' and Girls' page for a long while but have never written before, because I never had anything to say. I haven't now, but I'm writing anyway.

I am fourteen years old and will be in the eleventh grade this fall. It surely doesn't seem as if our vacation was nearly over.

I live on a fruit farm and have picked strawberries, cherries, raspberries and apples this year. Before long I will be picking grapes. Our farm has eighty acres and forty-three acres are in grapes.

Our family have just returned from a trip to Illinois. It's a pretty country but I think Michigan is just as pretty if not prettier.

I must stop chattering like a monkey now and give somebody else a chance to say something. Your niece, Pauline Hunter, Paw Paw, Michigan.

You bet you are welcome. Some more of that "monkey chatter" is, too. Can't you tell us more about your Illinois trip?

Dear Uncle Frank:

I am fourteen years old and live on a ten-acre lot having but one horse, which is plenty for such a small place.

We are partly surrounded by brush where I have had a good time hunting and trapping many kinds of wild animals and fowls. There are also several streams where I have had splendid times, fishing and swimming.

I will say good-bye, hoping I have not taken too much of your time. Your nephew, Nelson Snider.

It would be nice if you would tell us some of your trapping experiences this winter. Write again when you can.

Dairying

M. A. C. STUDENTS TO JUDGE DAIRY CATTLE AT WATERLOO.

MANY months of preparation on the part of students of dairy husbandry at M. A. C. culminated on Monday, September 25, when four members of the senior class took part in the live stock judging contest in connection with the National Dairy Congress at Waterloo, Iowa.

Men who made the trip are Lynn Heatley, North Branch; Paul Barrett, Jamestown, N. Y.; Ralph Kidder, of Jamestown, N. Y.; and Waino Helli, Ironwood. One of the four was to be used as an alternate, but his identity was not to be disclosed until just previous to the judging events. The same team will go to St. Paul, Minn., to compete in a similar contest at the National Dairy Show there October 9. Practically every leading agricultural college in the country was scheduled to be entered in both contests.

Last year the Michigan Aggie students placed third at Waterloo and St. Paul. They were outstanding for their consistency, inasmuch as the colleges which finished high in one contest

were low in the other. Since last fall there has been much rivalry among the students specializing in dairy husbandry at M. A. C., to determine which men should constitute the team. The four chosen to represent the school are the men who survived in this competition.—H.

EXTENSION SERVICE REORGANIZED.

THE reorganization of the extension service of the Holstein-Friesian Association of America which has been under way since the annual meeting at Kansas City in June has been completed. At a meeting of the board of directors held at Syracuse on August 26, the report of the extension committee was adopted and a permanent extension committee named to shape the policies of the extension service for the coming year, and to supervise the awarding of all money available to state and sectional organizations under the Irwin Amendment. The board further voted to locate the permanent headquarters of the extension service at Chicago, Ill., and for the present the address will be 910 South Michigan Avenue.

The "music of the milk pail" is the bell on the farmer's cash register. Keep it ringing.

Francisco Farm Notes

By P. P. Pope

I CAN rub my stomach with one hand and pat my head with the other at the same time easy enough, but to shake the salt with one hand and stir it into the breakfast food with the other is some task, believe me, (emphasis on the slang). You see, "my wife she's gone away!" Had to leave me alone while she is caring for a couple (other) invalids. The dear little mother has suffered a paralytic stroke and with the only sister already an invalid, the good wife has her hands and her heart full.

So, for the time being, at least, I am having some brand new farm experiences. The hired man declares I can't cook water without burning it, but I am an awful good hand at making coffee. And drinking it. A spoonful of sugar, a wee bit of cream, then fill up the cup with good strong coffee and it's fit for a king. I made some nice strong butter the other day, too. Perhaps I should say the butter is somewhat ambitious. But the hired man's wife takes pity on me occasionally, I have very good neighbors, and the cafeteria is not very far away, so I get a square meal every once in a while. Yesterday was Sunday so I stayed at home from church and made the bed. Am going to take advantage of the first rainy day and wash the dishes, and will sweep the dining-room on Thanksgiving Day if it needs it by that time and I don't get an invitation to dine out.

The weather man has been doing his best to make up for the late summer drouth, and as a result the work in the fields has practically stood still the past week. We have been cleaning over seed wheat, looking after a few odd jobs, and removing the last of the accumulation of manure from the big basement. We like to give a light top-dressing of barnyard manure to any thin spots that may appear in the new seeding. It has a remarkable effect

upon the next year's hay crop. There seems to be little real need of it this year, however, as the stand of young clover is thick and even all over.

Some Excellent Alfalfa Stands.

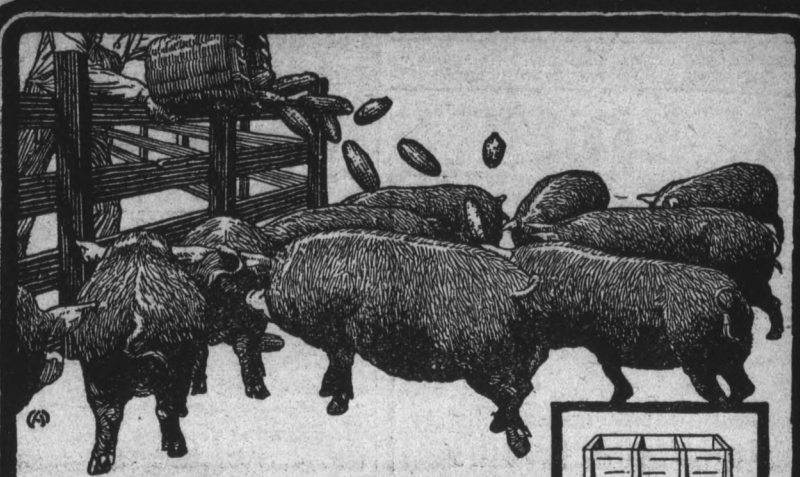
I took a stroll across country yesterday in the afternoon, and was impressed by the beautiful stands of alfalfa on three neighboring farms. The seeding had been made with oats or barley in the same manner that we ordinarily seed clover, and the crop matured and cut for grain. The late summer was anything but favorable for the young plants, but the recent rains have helped and the stubble is now almost covered by the thick even growth of green.

We used to think that to secure a stand of alfalfa we must either seed alone or cut the companion crop for hay, but numerous examples of the above sort have quite convinced me that on our heavier soils at least, we can as easily secure a stand of alfalfa as of red clover sown and managed in the usual way with spring grain. I have even seen the alfalfa live under the oat shocks when the clover had all smothered.

Hardigan Survives the Weeds.

We have attempted this year in an experimental way to grow a plot of the variety known as Hardigan Alfalfa, propagated at the Michigan Agricultural College. It was planted in drills and cultivated, but the soil is rich and full of humus and in lieu of other work which seemed more pressing, the attempt to keep the weeds down has failed utterly.

The prodigious growth of all manner of weeds and grasses has, all summer long, and is today, crowding the young alfalfa plants harder than any nurse or companion crop could possibly do except by lodging, and yet the alfalfa is all there and flourishing. Evidently the land could have produced a heavy crop of oats or barley and not hurt the new seeding any more than the tantalizing eyesore that at times has been so severe as to make us think it surely must be plowed down. From present indications we will no doubt have something worth while to tell about this Hardigan alfalfa in the future.



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Free from worms—
Their bowels active—
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DR. HESS STOCK TONIC

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It contains Tonics—That give a hog a healthy appetite—keeps his digestion good.
Vermifuges—To drive out the worms.
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No clogging of the system under the pressure of heavy feeding, where Dr. Hess Stock Tonic is fed.

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I spent 30 years in perfecting this Tonic.
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M.D., D.V.S.



Dr. Hess Dip and Disinfectant Kills Hog Lice

AN EXPOSITION THAT SERVES

Look Over This Program—There Is Something Here That YOU Can Use—

GREATER DAIRY CATTLE EXHIBIT—world's finest animals in competition.

NEW EXHIBITS OF GRADE COWS—all with records of 350 pounds or more—showing how better cows increase profits and lessen labor.

U. S. DEPARTMENT OF AGRICULTURE'S EXHIBIT—Practical, useful information on breeding, feeding and selection of dairy cattle. A direct help to every dairyman.

BOYS' AND GIRLS' CLUB WORK—Exhibits, demonstrations and contests.

NATIONAL POULTRY EXPOSITION—Big display of birds—educational demonstrations and lectures—exhibit of dressed fowls.

MARVELOUS HEATHLAND SHOW—An active, graphic, novel panorama—showing the relation of dairy products to the health and strength of the Nation.

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We have still a number of Pullets of them 4 months old and older that we are selling at the 3 months price. These Pullets should be bought now and put into laying quarters. Some will lay within 4 weeks. They are a real bargain at the price offered. There are the following breeds:

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Cockerels also in these breeds. If you will tell us just what Pullets or Cockerels you want, we will describe them and quote you the special price. And we guarantee all stock to satisfy you fully.

High Egg Producing Leghorns

Some especially highly bred English Leghorn Cocks and Pullets and Cockerels and Hens for mating for high egg production: some of the very best egg producing Leghorn stock in this state. Let us describe these birds.

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5 months Leghorn pullets one hundred at \$1.25 each, smaller lots \$1.35 each. D. W. Young stock. Ohas. Valois, River Rouge, Mich.

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This space belongs to Simon Harkema and Sons. Breeders of American-English Strain of S. C. W. Leghorns.

Chicks, Pullets and Breeding Cockerels in season. Sold out for season of 1922.

Simon Harkema and Sons,
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year old hens. S.C.W. Leghorn Barron's Cockerels, strain. Order now while they last. Start right and get the best from trap nested stock with egg records from 200 up to 279. BYRON CENTER POULTRY FARM, Byron Center, Mich.

Additional Poultry Ads. on Page 351

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They are Obviously High Class.

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presupposes excellence in Belgian Draft Horses.
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George Henry are available.
Your Correspondence and Inspection are
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Birmingham, Mich.

During the past year, we have completed Ad-
vanced Registry with 7 Guernsey Cows—two of
which were heifers with their first calves.

The average butter-fat production of these cows
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We have for sale a number of good bull calves
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Grand Champion Bull at the Michigan State Fair
last year.

Our herd is not large, but it is select. Visitors
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sonable, considering the quality of the stock

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Our 3-year old herd sire, Violet's Cherub of Home-
stead 62965, will be sold at a sacrifice. An exception-
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1st Prize Dairy Cattle Congress and National Dairy
Show 1917, a son of Imp. Hayes Cherub 2d, 1st Prize
and Grand Champion Dairy Cattle Congress and
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Another crop of calves. Choice bull calves \$75, their
breeding and records will please you.
J. M. WILLIAMS, No. Adams, Mich.

GUERNSEYS—REGISTERED BULL
Calves. Containing blood
of world champions. A. R. co ws. Federal inspected.
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They are from high producing A. R. O. ancestors
Dam's records up to 30 lbs. Write for pedigrees and
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registered and high-grade. Price \$20 up.
Splendid individuals and breeding. Write us your re-
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Bulls of show type that are out of
A. R. O. Dams.

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JACKSON, MICHIGAN

Yearling Bull, \$100

Pure bred, registered, federally tested. Dam, a 18 lb.
3 yr. old daughter of King Segis Pontiac, 37 lbs. Good
individual, mostly white. Guaranteed healthy.
Priced to sell quickly. Pedigree on request.
ALBERT G. WADE, White Pigeon, Michigan.

Reg. and high grade Holstein cows and heifers due to
freshen this fall, priced reasonable. Bulls all
ages priced to sell. B. B. Reavey, Akron, Mich.

Holstein-Friesian pure-bred bull cal-
ves, tuberculin tested
herd. Prices are right. Larro Research Farm,
Box A, North End, Detroit, Mich.

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

Holstein Bull calf, nearly white, 30 lb. sire. Dam by
Pontiac Korndyke Lad, owner pd. \$500 when
calf, price \$35. Reg. Durocs \$10 up, bred sows. Satis-
faction or money back. B. E. Kies, Hillsdale, Mich.

For Sale a semi-official daughter of Maple
Crest Korn. Hengerveld. Federal
tested, also a few granddaughters from 1 to 3 yr. old
Terms if wanted. M. L. McLanlin, Redford, Mich.



Money-Making HEREFORDS

At St. Clair, for sale and
ready for immediate
delivery.

Registered Cows and their Sucking Calves

Registered Bred Heifers—Registered Year-
ling Heifers—Grade Cows—Unregistered
and their Sucking Calves—Good Bulls,
various ages.

Our Detroit Packing Co., Hereford Baby Beef Con-
tract and the Sotham Hereford Auction System
guarantees our customers profitable cash outlet for
all increase and we can help finance responsible
purchasers. Come, wire or write, right now.

T. F. B. SOTHAM & SONS,

[Cattle Business Established 1835]

Saint Clair, Michigan Phone 250

HEREFORDS

For Sale at Farmer's prices.
5 yearling bulls 8 yearling heifers
10 of the above sired by our \$5200 Repeater bull.
We have others not related. This is an opportu-
nity to start in good stock at a moderate price.

ALLEN BROS.

616 So. West St., Kalamazoo, Mich.

HEREFORDS for sale. A few extra good
fall calves for sale.
RALPH CALHOON, Bronson, Mich.

Brookwater Farm

JERSEYS and Duroc JERSEYS

Bred sows and gilts, boar pigs. Jersey bulls from
tested dams. Tuberculosis free herd.

Come to the farm or write for prices.
BROOKWATER FARM, Ann Arbor, Michigan
H. W. Mumford, Owner, J. B. Andrews, Lesort.

JERSEY BULLS nearly ready
for service.
Spermioid Owl breeding. Herd tuberculin tested.
FRED L. BODIMER, Reese, Mich.

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

For Sale Jersey Bulls ready for service;
Lad. Majesty breeding. WATERMAN & WATER-
MAN, Packard Rd., Ann Arbor, Mich.

Registered Jersey Cattle. Some young bulls
for sale, ask for pedigree. I would
spare a few cows to freshen soon, records kept. Herd
accredited. J. L. CARTER, Lake Odessa, Mich.

Lillie Farmstead Jerseys. For sale, 12 heifers
bred to free-ben this fall, 6 bull calves, 6 to 9
mo. old. Colon C. Lillie, Coopersville, Mich.

Jersey Bull Calves 7 mos. to near yearlings strong
in St. Lamberts, T. B. tested.
H. HALSEY, Homer, Mich.

FOR SALE. Jersey Bull 3 years old.
Eligible to registry.
E. O. SHOWERMAN, Sunfield, Mich.

BIDWELL SHORTHORNS

BUY A BULL

that will put weight on your dairy calves—the dif-
ference will soon pay for the bull. Now selling good
Scott 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

Milking Shorthorns priced reasonably. An ac-
credited herd selected for beef and
milk. Beland and Beland, Tecumseh, Michigan

Central Mich. Shorthorn Breeders' Assn.
offer for sale both milk and beef breeding, all ages
Write M. E. MILLER, Sec'y, Greenville, Mich.

FOR SALE

Polled Shorthorn Cows & Heifers

in calf and calf by side. Also a few young bulls.
Herd headed by Victor Sultan and Royal Non-
pareil.

We can please you in richly bred cattle with
quality at farmers' prices.
GEO. E. BURDICK, Mgr.
Branch County Farm, Coldwater, Mich.

Stock Farming

FEEDS HOGS GROUND RYE.

ONE of the Michigan Farmer read-
ers inquires about rye as a feed
for pigs. He need not hesitate to feed
ground rye to pigs, young or old. We
never feed it whole. Ground rye mixed
with separated milk, slightly sour, will
make pigs grow about as fast as any-
thing you can feed them, and it is also
fine for the sow with young pigs, and
if you doubt it come and take a look
at those five pigs, that are now fifteen
days old. The sow gets ground rye
and separated milk every day, and it
would be difficult to find nicer looking
pigs than they are. Ground rye and
dishwater, or any water, is excellent
feed for hogs.—Apollos Long.

CONDITIONING BREEDING EWES.

BREEDING ewes suckling lambs all
summer become run down in flesh
and out of condition. This is not a
fault of the ewes, but rather a desir-
able quality, as it shows a tendency

that she will eat her pigs as soon as
born, if she gets a chance.

All these conditions depend very
largely, if not entirely, upon the way
the sow is treated and fed during preg-
nancy. It is an almost unheard of oc-
currence for a brood sow, running out
on good pasture, to eat a pig. Sows
are not cannibals by nature, and are
only made so by poor feeding, lack of
exercise, etc.

Pigs should not be weaned until
they are at least eight weeks old, and
if the sow is not to have a second lit-
ter, or if there is time enough in case
she is, it is better to let the pigs
suckle until they are from ten to twelve
weeks old.

Farmers often get in a hurry and
wean pigs when they are only six
weeks old, but unless there is an abun-
dant supply of milk and especially good
care is given, the pigs are likely to be-
come stunted, sometimes so severely
that they never recover. The cheapest
way to put gains on young pigs is
through the sow. She has a strong



Shorthorns Enjoying the Noon Hour on the Great Prescott Ranch in
Ogemaw County.

toward liberal milk production essen-
tial to growing a profitable lamb crop.

After the lambs are weaned the ewes
should be put onto scant pasture for a
few days to dry up the milk flow and
give the system an opportunity to ad-
just itself. The ewes need from now
on every possible chance to recruit up
in flesh in a natural healthy manner.
Heavy feeding is not advisable for the
present.

If possible turn the ewes onto a
stubble pasture. There is always a
variety of feed on stubble land that
will stimulate the appetite, and at the
same time cause the ewes to take on
flesh gradually, which will put them in
good condition for the mating season.
If the stubble pasture becomes scant
supplementary feeding may be advis-
able or other pasture that is not too
succulent to induce scouring should be
provided.

In every flock there are a few ewes
that show unusual tendency toward
milk production and if they have suck-
led twin lambs during the summer, are
likely to be well reduced in flesh.
These ewes should be closely watched
and given the best of care as they are
the most valuable ewes in the flock.
It may be necessary to divide the flock
and put the thin ewes by themselves
where they may receive a light grain
ration.—L. C. R.

GIVE PIGS A GOOD START.

THE strong pigs in the litter never
lose their start on the smaller
ones. It is these larger ones from
which we get the greater profits. A
great deal depends on the condition of
the sow, whether she will produce good
strong pigs and feed them well, or a
litter of weaklings and then have noth-
ing for them to eat; whether her sys-
tem is nice and cool or feverish and
hot.

In the one case the sow will be
good-natured and let the pigs suck, and
will furnish plenty of milk; in the oth-
er, fretful and peevish, the chances are

digestion, and can turn coarse grains
and pasture into easily digested milk.

Careful experiments show that a
pound of weight taken from the sow
will make more than one pound of
gain in the pigs, the flesh of the ani-
mals containing more water. The sow
should be fed to produce a high yield
of milk, and the pigs should be kept
with her until they get to eating a full
feed of both grain and pasture. When
the times comes to wean the pigs, cut
down the sow's rations to water and a
little grain. Take away the stronger
pigs first, leaving the weaker to suckle
for a few days longer. These few
things carried out will have much to
do toward pork profits.—E. W. G.

LIVE STOCK AWARDS AT STATE FAIR.

(Continued from last week).

Guernseys.

Aged bulls—1st, H. L. & F. D. Stout,
Wisconsin, on Cherubs Pearl Royal of
Shorewood (senior and grand champi-
on); 2nd, John Endicott, Birmingham,
on Star's Favorite; 3rd, W. J. Brown,
Detroit, on Albomont Premier.

Two-year-olds—1st, John Ebels, of
Holland, on Monarch (reserve senior
champion); 2nd, H. W. Wigman, Lan-
sing on May King's Prince of Bon Ayre
(reserve grand champion).

Senior yearlings—1st, R. A. Holmes,
Grand Rapids, on Wil-Holm Demon-
strator; 2nd, Belmont Farms, Perrys-
burg, Ohio, on Longwater Valentine;
3rd, Brown on The Cardinal of Peace-
ful Vista.

Junior yearlings—1st, Wigman on
Appletree Points Marose Cyclop (jun-
ior champion); 2nd, Belmont Farm on
Robert's Selina's Prince; 3rd, Holmes
on Rose Marshall of Endicott Farms.

Senior calves—1st, Brown on Sir
Thomas of Peaceful Vista (reserve jun-
ior champion); 2nd, John Endicott on
Brookwood Monarch; 3rd, Stout's on
Lone Pine Pearl's Royal.

Junior calves—1st and 3rd, Holmes;
2nd, Endicott.

Cow, five years old or over—1st,
Stout's on Ma Chere Princess (senior
and grand champion); 2nd, Scripps on
Meadow Farm Fame; 3rd, Endicott on
Comely May Rose K.

Four-year-olds—1st, Stout's on Roy-
al's Pearl of Pomeroy; 2nd, Scripps on

Imp. Princess May of the Frigate; 3rd, Endicott on Alice of Endicott Farm.

Three-year-olds—1st, Stout's on Lone Pine Mollie Cowan (reserve senior and reserve grand champion); 2nd, Endicott on Betty Golden of Endicott Farm; 3rd, Wigman on Jessie of Ioka Farm.

Two-year-olds—1st, Stout's on Ultra Lady of Uplands; 2nd, Wigman on Beda of Bon Ayre; 3rd, Holmes on Wil-Holm Anitra.

Senior yearlings—1st and 3rd, Wigman on Vesto Jane of Bon Ayre and Evelyn of Capital View; 2d, Holmes on Wil-Holm Blossom.

Junior yearlings—1st, Holmes on Wil-Holm Katie; 2nd and 3rd, Wigman on Hilma's Sister of Bon Ayre and Vesta Jane of Bon Ayre.

Senior calves—1st, Stout's on Kenilworth's Milkmaid (junior champion); 2nd, Holmes on Wil-Holm Banner; 3rd, Wigman on Buttercup of Bon Ayre.

Junior calves—1st and 3rd, Wigman on Princess Valentine (reserve junior champion), and Dorothy's Raider Bon Ayre; 2nd, Scripps.

Exhibitor's herd—1st, Stouts; 2nd, Wigman; 3rd, Scripps.

Breeder's herd—1st and 2nd, Wigman; 3rd, Holmes.

Calf herd—1st, Holmes; 2nd and 3d, Wigman.

Four get of sire—1st and 2nd, Wigman; 3rd, Holmes.

Two produce of cow—1st, Stouts; 2nd, Holmes; 3rd, Wigman.

Dairy herd to consist of four cows in milk—1st, Stouts; 2nd, Scripps; 3d, Wigman.

Jerseys.

Judge—J. A. McLean, Illinois. Aged bull—1st, Tradell & Heath, Pennsylvania, on Oxford Majesty's Successor (senior and grand champ); 2nd, Brennan, Fitzgerald's Sinks Jersey Farm, Farmington; 3rd, Bert Shuart on Foxall's Champion.

Two-year-olds—1st and 2nd, Detroit Creamery Farm on Queen's Carryon of Ayerdale, and Pansy's Oxford Gambo; 3rd, Arnold H. Goss, Ann Arbor, on Brampton's Double Bright Prince.

Senior yearlings—1st, Goss on Royal Majesty's Combination (junior and reserve grand champion); 2nd, Brennan on Lady Togos Raleigh.

Junior yearlings—1st, Brennan on Frank Tanner Raleigh (reserve junior champion); 2nd, Shuart on Foxhall's Majesty; 3rd, A. P. Edison, Grand Rapids, on Fawn Raleigh's Laddie.

Senior calves—1st and 3rd, Edison on Mabel's Sensational Lad and McKay's Gambo Lad; 2nd, Bert Shuart, Ypsilanti.

Junior calves—1st, Edison on Spring Hills Gambo Lad 2d; 2nd, Brennan on Actress Gambo and Raleigh's Fair Elf; 3rd, Goss on Majesty's Iris King.

Cow, four years old or over—1st, Brennan on Karnak's Ruby Bonnie Lass; 2nd, Edison on Fairy Lad's Jewel; 3rd, Erdenheim Farm, Inc., Chestnut Hill, Penn., on Fair View Gambo.

Three-year-olds—1st and 3rd, Erdenheim Farm, Inc., on Oxford Majesty's Ophelia (reserve senior champion) and Sybil's Lady Nap; 2nd, Goss on Alta's Orange Blossom.

Two-year-olds—1st, Brennan on Joanna Calahan Raleigh; 2d, Erdenheim Farm, Inc., on Oxford Majesty's Progress; 3rd, Detroit Creamery on Maudine 2nd of Glenburnie.

Senior yearlings—1st, Erdenheim Farm, Inc., on Victor's Milkmaid (reserve junior champion); 2nd, Shuart on Majesty's Ruler Susan; 3rd, Detroit Creamery on McKay's Sensational Jewel.

Senior calves—1st and 2nd, Detroit Creamery on Dora Dean of Vassar and Beauty's Signal Blossom; 3rd, Lyle Tanner, Camden.

Junior calves—1st, Shuart; 2nd, Brennan on Rosinettes Buttercup; 3rd, Goss on Majesty's Benedictive Veda.

Exhibitor's herd—1st, Brennan; 2nd, Goss; 3rd, Edison.

Breeder's herd—1st, Edison; 2nd, Brennan.

Calf herd—1st, Edison; 2nd, Shuart; 3rd, Brennan.

Four get of one sire—1st, Erdenheim Farm, Inc.; 2nd, Detroit Creamery; 3rd, Brennan.

Two produce of cow—1st, Shuart; 2nd, Goss; 3rd, Edison.

Dairy herd to consist of four cows in milk—1st, Erdenheim Farm; 2nd, Goss; 3rd, Shuart.

(Continued next week).

Says Sam: Some children worry a lot about giving their old folks the proper bringing-up nowadays.

A large potato stuck full of white chicken feathers, fastened to the end of a pole and hung in a fruit tree makes a most effective scarecrow, suggests an Iowa farm wife.

Oct. 19th Oct. 19th Thursday, Oct. 19, 1922

At 10 o'clock

Howell Sales Co. of Livingston County will hold their

9th ANNUAL SALE

of 85 Head of

Reg. Holstein Cattle

At the Sale Pavilion on the Fair Grounds

At Howell, Michigan

This sale consists of young cows and heifers due to freshen this fall and early winter. Sired by and bred to bulls from dams with records from 30 to 45 lbs. Also a few open heifers and several good bulls including a 31 lb. 4 year old son of Rosie Mercedes Butter Boy 210357 with a yearly record of nearly 1000 lbs. of Butter, also 3 sons of King Ona Champion 257513 from 29, 30 and 32 lb. dams. Mostly from accredited herds with a 60 day retest guarantee.

Auctioneer J. E. MACK

S. T. WOOD in the Box

WM. GRIFFIN, Sec'y.

Howell, Michigan

DISPERSION SALE

50 Reg. Holstein-Friesian Cattle 50
Birmingham, Mich.

Wednesday, October 18, 1922

High record cows with records up to 28 lbs. at full age, 25 lbs. at 3 years. Heifers by a son of Avon Pontiac Echo [21 of them] with real dairy quality. Tested regularly by federal Veterinarians. Sold with 60-90 day retest. Bred to good bulls, including a son of a 40 lb. cow that stood as Grand Champion male at the Brentwood National Exhibition in 1921 and second at the National Dairy show in 1920.

You can buy them on terms provided you arrange with owner before the sale.

For Catalog Address

Albert E. Jenkins, Sale Mgr., Oscoda, Mich.

Alexander W. Copland, Owner, Birmingham, Mich.

CATTLE

RICHLAND SHORTHORNS

We are offering two splendid white yearling bulls by Imp. Newton Champion and a few extra good heifers and young cows at very attractive prices. For full particulars write to

C. H. PRESCOTT & SON,

Herd at Prescott, Mich.

Office at Tawas City, Mich.

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

E. H. KURTZ, Mason, Mich.

Shorthorns for sale. ENTIRE herd just passed State Tuberculosis test

J. A. BARNUM, Union City, Mich.

Don't you want a good Shorthorn, priced in keeping with the times?

ROBERT MARTIN, R. 3, Woodland, Mich.

Milking Shorthorns Bull calves for sale. Also 2 cows.

ROSEMARY FARMS, Williamston, Mich.

Clayton Unit Shorthorn Breeders Assn. Scotch. Scotch Top and Milking Shorthorns for sale all ages. W. J. Hinkley, Sec'y, Flushing, Mich.

For Sale, a few choice Red Polled calves of both sex, also Duroc-Jersey pigs. Prices right. Royston Stock Farm, WILL COTTELE, R. 1, West Branch, Mich.

HOGS

Blue Hogs Actually BLUE in color. Large, hog. All stock pedigreed. Registered in purchasers' name. Blue Hog Breeding Co., Wilmington, Mass.

Big Type Berkshires. Pigs sired by Type, son of Real Type, and out of Miss Woodress; a sow from Parker Bros head. Prices reasonable. Lawrence A. Veito, R. 2, Box 41, Woodland, Mich.

Home Farm, Salem, Mich.

Registered Duroc Jersey Swine

Only 2 bred gilts left for sale, bred to farrow in Oct. priced at \$35. Two-year-old boar, a good one, at \$40. Also open sows and gilts and fall pigs. We have some fine boar pigs, 8 weeks old ready to ship now, that will make real boars, priced at \$15 each. We guarantee satisfaction and furnish papers. Write us if in need of a real herd boar ready for service.

Thos. Underhill & Son, Salem, Mich.

Collinsdale Duroc Farm, Lyons, Mich., R. 1. Greatest Blood Lines in Duroc Hogs

Herd Boars by Great Orion Sensation, Pathfinder, Duration and Great Wonder I Am. Now have for sale three yearling boars by Wolverine Sensation. For sale at all times, sows, gilts or boars registered. Sold under a positive guarantee and worth the money. Write for prices.

L. A. BURHANS, OWNER

You Want One of the best Duroc sows obtainable. We have them for sale. Fall gilts and tried sows. Our herd boar headed 2nd prize aged herd at 1921 Illinois State Fair. MICHIGANA FARM, Kalamazoo County, Pavilion, Mich.

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

AM SELLING

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

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.

Westview Duroc Bred Sows

all sold. Have two spring boars left at a reasonable price. Will book orders for April & May Pigs. ALBERT EBERSOLE, Plymouth, Mich.

Oakwood Farm offers choice gilts of Orion Cherry King and Walt's Top Col. breeding bred to Pathfinder Orion for Ang. and Sept. farrow. RUSH BROS., Romeo, Mich.

HEAR YE! HEAR YE!

Sun Brite Farms own Wolverine Woodford Sensation—a few top-notch sons for sale. Shipped on approval. Frank Borgert, R. 5, Sturgis, Mich.

Duroc Jerseys We have a choice lot of spring boars ready for service. Will ship on approval. Satisfaction guaranteed. F. J. DRODT, R. 1, Monroe, Mich.

FOR SALE: 20 extra good spring boars, CARY U. EDMONDS, Hastings, Mich.

Purebred Duroc-Jersey pigs and gilts for sale, price reasonable from the Linwood Boy's Pig Club. Inquire of sec. JAMES KUNZE, Palms, Mich.

Duroc—choice lot spring boars, sired by Great Duration, Brookwater Satisfaction 8th and Greater Orion King. Norris Stock Farm, Casnovia, Mich.

DUROC-JERSEYS Do you want a good Pathfinder boar pig? E. D. HEYDENBERG, Wayland, Mich.

Big Type Chester White March boars. Sired by Model's Giant and Hill's Big Buster. Out of granddaughters of Alfalfa Wonder. LUCIAN HILL, Tekonsha, Mich.

BIG TYPE CHESTER WHITES

The prize winner kind, from the best prize winner bloodlines. Early developers, ready for market at six months old. I have started more breeders on the road to success than any man living. I want to place one hog in each community to advertise my herd. Write for agency and my plan. G. S. BENJAMIN, R. F. D. 10, Portland, Mich.

Chesters—We won a large percent of the blue and championships at four of the largest fairs in the state this fall, including Detroit. Our herd is headed by The Monster, one of the greatest big type boars of the breed and we have several spring boars from these prize winners for sale at reasonable prices. F. W. Alexander, Vassar, Mich.

CHESTER WHITES Start right with a Boar Pig from MONSTER No. 10735. They are hard to beat. FRED L. BODIMER, Reese, Mich.

Chesters We are sold out of Boars. Choice spring pigs. For immediate shipment of spring pigs, write WEBER BROS., Royal Oak, Mich., 10 mi. and Ridge Rds., Phone 408.

Chester White spring boars good growthy fellows, \$10 to \$30. Satisfaction guaranteed. W. H. BENTLEY, R. 1, Lenox, Mich.

O. I. C. and Chester White's. Strictly big type with quality. I have nothing to offer at present, as I have sold my largest herd and entire herd I was fitting for the large shows, to Earle Morrish, of Flint, Mich. I am confident Mr. Morrish, now has one of the very best herds in the State. ALBERT NEWMAN, R. 4, Marlette, Mich.

O. I. C. December Gilts From Big Type Wonder's Dick. Bred to farrow in Oct. by Silver Horde, extra good young boar direct from Silver's. Booking orders for spring pigs. CHAS. H. STEEL, R. 8, Eaton Rapids, Mich.

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

O. I. C. Gilts to farrow in Aug. and Sept. and March boar pigs. CLOVERLEAF STOCK FARM, Monroe, Mich.

O. I. C's. Spring gilts and service boars for sale. Prices right. A. J. BARKER & SON, Belmont, Mich.

O. I. C's. last fall gilts due Aug. and Sept. Spring pigs not akin. Big Type. 1-2 mile west of Depot, Citizen Phone. OTO B. SCHULZE, Nashville, Mich.

O. I. C's. Special prices on fall pigs for Oct. 15th delivery, also spring boars for immediate shipment. I can save you money. Write, Clara V. Dorman, Snover, Mich.

O. I. C's Spring pigs. Pairs not akin. Also July, August, and Sept. pigs. MILO H. PETERSON, Elmhurst Farm, Ionia, Mich. Citz. Phone

O. I. C. yearling boar for sale. Sure breeder and good stock getter, also spring gilts and little pigs. Priced to sell. Bruce W. Brown, R. 3, Mayville, Mich.

L. T. P. C. Fall Boars

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

LARGE TYPE POLANDCHINAS

Boars and gilts for sale from one of the best herds in Mich. Sired by B's Clansman Mich. 1921 Grand Champion. Alaska, M and W's Orange and Daddy Long Legs 2nd. Give us a visit and look them over if not write to N. F. BORNOR, Parma, Mich.

Francisco Farm Poland Chinas

Big, Stretchy Spring Boars as good as grow. Pairs and Trios not akin. Can spare two or three of our good herd sows bred for Sept. P. P. POPE, Mt. Pleasant, Mich.

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

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

LARGE TYPE P. C.

Largest in Mich. Pig ready to ship, why not order from the herd that has given so many their start in the hog business, the kind that makes good, they have quality as well as size. W. E. LIVINGSTON, Parma, Mich.

Prosperity Have you seen it? No! Why? May-be you have been throwing away 40% of your grain by feeding it to scrub hogs. We have some Big Type Poland Chinas that will bring you prosperity. Why not give them a chance? We can furnish anything you want. JNO. C. BUTLER, Portland, Mich.

Additional Stock Ads. on Page 351

LATEST MARKET REPORTS

GRAIN QUOTATIONS

Tuesday, September 26.
Wheat.

Detroit.—No. 2 red at \$1.13; No. 2 mixed \$1.11; No. 2 white \$1.11.
Chicago.—No. 2 red \$1.08½; No. 2 hard \$1.07½@1.07½; December at \$1.06½.
Toledo.—Cash No. 2 red \$1.11@1.13; December \$1.15.

Corn

Detroit.—Cash No. 2 at 69½¢ asked; No. 3 yellow 68½¢.
Chicago.—No. 2 mixed 63½¢@63¾¢; No. 2 yellow 63¾¢@64¼¢.

Oats

Detroit.—Cash No. 2, 43c; No. 3, 40c. plums per 16-qt. case 65¢@75¢; grapes
Chicago.—No. 2 white 41½¢@41¾¢; No. 3 white 40¢@40¾¢.

Beans

Detroit.—Immediate and prompt shipment \$5.25; October \$4.75 per cwt.
New York.—Michigan and New York red kidney \$6.25.

Chicago.—Michigan choice hand-picked \$5.50; red kidneys \$5.50@6.

Rye

Detroit.—Cash No. 3, 74c.
Chicago.—70c.
Toledo.—75c.

Seeds

Detroit.—Prime red clover cash at \$11; alsike \$10; timothy \$2.90.
Toledo.—Prime red clover at \$10.50; alsike \$10.15; timothy old \$3.20; new \$2.95.

Feeds

Detroit.—Bran \$27; standard middlings \$28; fine do \$30; cracked corn \$31; coarse cornmeal \$30.50; chop at \$25.50 per ton in 100-lb sacks.

Hay

Detroit.—No. 1 timothy \$16.50@17; standard and light mixed \$15.50@16; No. 2 timothy \$14.50@15; No. 1 clover \$14@14.50; rye straw at \$11.50@12; wheat and oat straw \$10.50@11 per ton in carlots.

Fruit

Chicago.—Peaches, Elbertas \$1.25 a bushel; pears, Bartlett's, Michigan standard packed \$2.25@2.50 a bushel; plums per 16-qt case 65¢@75¢; grapes baskets 5@5½ lbs 27¢; Climax baskets 75¢; apples, No. 2, all varieties \$2 per bbl; Wealthies \$4 per bbl; cranberries \$5 per box.

WHEAT

The war scare in Europe finally furnished the motive power to turn the wheat market upward. All the loss in the last six weeks was regained in short order. It is believed that Europeans need approximately 2,000,000 bushels of wheat per day from North America from the present time until the end of January or a total of around 200,000,000 bushels altogether. Even if the war scare vanishes, purchases for export are likely to give the market strong support, at least around the dollar level at Chicago.

CORN

Coarse grain prices are showing much strength, influenced to some extent by the action of wheat, although there has been no marked change in the volume of export business. The car shortage is restricting country offerings of corn and they are now smaller than a week ago when the price was lower. The increase in live stock production, the smaller crop and reduced carry-over of old corn are making for a strong situation in corn.

OATS

The season is past in which the usual after-harvest run of oats takes place and receipts at primary markets are declining slowly. The eastern and New England demand for oats is the broadest in a long while.

SEEDS

Receipts of clover seed at Chicago from July 1 to September 16 totaled 1,415,000 pounds compared with 932,000 pounds last year and 800,000 pounds two years ago. Receipts of timothy totaled 15,236,000 pounds compared with 16,293,000 pounds last year and 6,845,000 pounds two years ago.

HAY

Hay prices are firm on mid-western markets, although eastern markets are easy. Demand is limited, but receipts and country loadings are light in spite

of the large crop. Arrivals at Kansas City, the chief distributing market, for the entire year to September 20 totaled 15,046 cars compared with 14,820 cars to the same date last year.

FEEDS

A sharp advance has occurred in feed prices in the last two weeks. Buying is limited, however, and scattered, while production is up to normal so that justification for the advance is not clear and it is not likely to be sustained.

BUTTER

Butter prices advanced last week to the highest point in the calendar year. The seasonal decline in production has gone far enough to create a marked scarcity of fancy fresh butter, while the demand shows no abatement as a result of the advance of nearly 30 per cent in values from the low point of the season.

Prices for 92-score fresh butter were as follows: Chicago 41c; New York 43c. Detroit sells fresh creamery in tubs at 36¢@36½¢.

POULTRY AND EGGS

In spite of an increase in poultry production, receipts of eggs at the leading markets in the last thirty days have been running below the average for the corresponding period in the three preceding years.

Poultry prices are still showing resistance although the trend is most likely to be lower in the next two months.

Detroit.—Eggs, fresh candled and graded at 31¢@34¢; storage 25¢@28¢. Live poultry, heavy springers 24¢@25¢; light springers 19¢@20¢; heavy hens 26¢@27¢; light hens 19¢.

POTATOES

Receipts of potatoes are increasing as the late crop states are shipping freely. In the past three years the high point of the season's movement has been reached around the middle of October. Prices are uneven, but show little change. Northern round whites are quoted at a range of \$1@1.75 per 100 pounds in midwestern markets.

APPLES

Carlot shipments of apples are increasing steadily, but are now only about equal to the average for the corresponding period in the three preceding years. Shipments from the box apple states are running about half as large as last year. Barrel apple prices

BEANS

Action of the Michigan bean market is being ruled by the weather. Shipments from the new crop started on

August 20, or about 30 days earlier than usual. Prices broke sharply to about \$4.25@4.50 per 100 pounds f. o. b. shipping points, for choice hand-picked white stock but rainy weather set in with approximately fifty per cent of the crop still in the field and did damage estimated at 20 per cent. Red kidneys are quoted at \$6 with a crop estimated at 25 to 30 per cent larger than last year.

WOOL

The wool market has been active recently with prices firm. Passage of the 31 cent tariff scoured basis has given the trade a more settled outlook. Over 100,000,000 pounds of wool which have been held in bond will now be released but manufacturers are steadily absorbing all offerings. The out-

DETROIT CITY MARKET

The supply of produce at this market has been light to moderate for all products except pickle onions and cauliflower which were brought in in large quantities. Apples are selling at \$1@2, and crabapples at \$2 per bu. Butterbeans brought \$1.50@2.50; cauliflower from \$1.50@3; cucumbers 50¢@1.50; gerkins, \$3.50@10 per bu; cabbage 50¢; eggs 40¢@45¢; grapes \$1.75@3.25; melons \$1@2; dry onions \$1@1.25; pickle onions \$1.50@2; potatoes 90¢@1; peaches \$1.25@5; pears \$1@3.50; tomatoes 30¢@1.50; squash 50¢@3.

GRAND RAPIDS

The market here has been active with nearly all items in good demand. Fruits are selling well, with peaches and grapes the most active. The apple market is improving, but potatoes are weak, because of a large supply. Dairy products are firm with prices tending upwards. Potatoes bring 60¢@70¢ per bu; onions 60¢; lettuce 50¢@1; cabbage 25¢@40¢; cucumbers, No. 1, 75¢@1; carrots 50¢; tomatoes 60¢@80¢; peaches \$1@2; plums and pears 40¢@75¢; grapes \$1.40; apples 75¢@1.50. Dairy butter is bringing 25¢@35¢ a pound and eggs 34¢ per dozen. Heavy hens bring 20¢ per pound and heavy springs 22¢; old roosters at 10¢.

SCHEDULE FOR LAND-CLEARING SCHOOLS.

The following schedule has just been announced for land-clearing schools conducted by the Extension Department of the Agricultural College, along the Detroit & Mackinaw Railroad.

Whittemore, in Iosco county, October 5.
Rose City, in Ogemaw county, October 7.

Live Stock Market Service

Wednesday, September 27.

DETROIT

DETROIT MARKET LATE.

Nothing on the market at 2:00 p. m., the Pere Marquette train being very late. Prospects look dull and lower on cattle; 50 cents lower on calves, and steady on sheep, lambs and hogs. It does not look as though there will be any trading today until very late.

CHICAGO

Hogs

Estimated receipts today are 16,000; holdover 13,837. Market slow, about steady on desirable weights; others weak to lower. Bulk of sales \$7.80@10.60; tops \$8@10.70 early; heavy 250 lbs up \$9.20@10.40; medium 200 to 250 lbs \$9.90@10.65; light 150 to 200 lbs at \$10.30@10.65; light lights 130 to 150 lbs \$9.60@10.25; heavy packing sows 250 lbs up \$7.85@8.50; packing sows 200 lbs up \$7.50@7.90; pigs 130 lbs down \$8.75@9.60.

Cattle.

Estimated receipts today are 15,000. Market steady to strong. Beef steers medium and heavyweight 1100 lbs up \$11@12.10; do medium and good \$7.50@11; do common at \$6@7.60; light weight 1100 lbs down \$9.10@11.60; do common and medium at \$5.85@9.10; butcher cattle heifers at \$4.85@9.25; cows at \$3.75@8.25; bulls bologna and

beef \$3.75@6.40; canners and cutters cows and heifers \$2.75@3.75; do canner steers at \$3.60@4.40; veal calves light and handyweight \$10.25@12.50; feeder steers at \$5.75@8.25; stocker steers \$4.25@7.50; stocker cows and heifers \$3.50@5.50.

Sheep and Lambs.

Estimated receipts today are 16,000. Market is steady to strong; feeding lambs higher. Lambs 84 lbs down at \$13.40@14.75; do 85 lbs up \$9@13.25; do culls and common at \$9.25@12.25; feeder lambs \$3.50@7; spring lambs \$2@2.75; ewes \$4.50@11.50; ewes cull and common \$13@14.60.

BUFFALO

Cattle

Receipts 7 cars. Market is steady. Shipping steers at \$9@10; butchers at \$7.50@9.25; yearlings at \$9.50@11.75; heifers \$6@8.25; cows at \$2.25@6.60; bulls \$3.25@5.25; stockers and feeders \$5.50@6.50; fresh cows and springers \$40@115. Calves at \$15.

Hogs.

Receipts 20 cars. Market is steady. Heavies at \$10.25@10.75; pigs \$11.10@11.15; roughs \$8.25@8.50; stags at \$4@5.50.

Sheep and Lambs.

Receipts four cars. Market steady. Lambs \$15.50; yearlings \$9@12; wethers \$7.50@8; ewes \$6@7; mixed sheep \$7.50@8.

Mikado, October 10; Lincoln, October 11; Curran, October 13, all in Alcona county.

Cumins, in Oscoda county, October 14.

Hillman, in Montmorency county, October 18.

Emerson, in Alpena county, October 19.

Posen, October 20; LaRocque, October 21; Millersburg, October 23; Ottawa, October 24, all in Presque Isle county.

COMING LIVE STOCK SALES.

Holsteins.—October 18, A. W. Cope-land, Birmingham, Mich.

Holsteins.—October 19, Howell Sales Company, Howell Mich.

FREE

to any Land Owner

copy of Ropp's New Calculator—handy farm book sent FREE with

Square Deal Fence

catalog that shows how good fence lasts longer and costs less. Write for both. Tell us when you expect to buy more fence.

Keystone Steel & Wire Co.

4902 Industrial St. PEORIA, ILL.

Fleece Wool Wanted

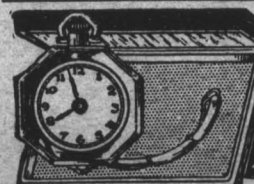
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Are paying the following prices f. o. b. cars Detroit.

Delaine	44c
Fine Clothing	34c
Half-blood Combing	40c
Three-eighths Combing	38c
Quarter-blood Combing	37c
Rejections	30c

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Write for tags and quotations.

Natural Leaf Tobacco. Cheewing, 5 lb., \$1.75; 15 lb., \$3. Smoking, 5 lb., \$1.25; 15 lb., \$3. Send no money, pay when received. FARMERS' TOBACCO ASS'N, Paducah, Ky.

NATURAL LEAF TOBACCO, CHEEWING, 5 lb., \$1.75; 15 lb., \$3; smoking, 5 lb., \$1.25; 15 lb., \$2. Send no money, pay when received. TOBACCO GROWERS' UNION, Paducah, Ky.

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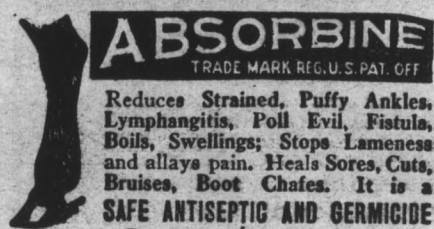
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for Heaves, Coughs, Distemper, Indigestion. Use two cans for Heaves—if not satisfactory, money back. One can often sufficient. \$1.25 per can. Dealers or by mail. Newton Remedy Co., Toledo, O.
SPIRAL POULTRY LEG BANDS
tell the age of poultry. Supplied in colors, Red, Blue, Green. Prices: 60 for \$1.00, 100-\$1.50, 250-\$3.50. CHAS. L. STILES, Dept. 8 Columbus, Ohio

To Ford Owners a new patented device to protect the generator from burning out, saves the wires, circuit, cutout and battery. Protects the car from catching fire from electric wires. Car can be run without battery and no harm to generator. Has been approved by expert electricians. \$2.50 for sample or discount allowed to agents or dealers, write for full information. Ryan-Harley Mfg. Co., Bronson, Mich.

Wanted Competent farmer to lease 265 acres and Alfalfa hay, married man not over 40 years of age with agricultural college training preferred. Answer J. D. SWARTWOUT, R. F. D. No. 2, Otisville, Mich., giving experience and full particulars.

Tone up your flocks for winter laying busy hens means more and better eggs. THOMSTEE TONIC means just this. Send dollar bill today for this proven tonic and receive free trial Thomstee Mite destroyer. Dargan Distributors, 556 E. Hancock, Detroit, Mich.

FOR SALE, 7,200 egg Candee Incubator, Good condition. \$800. TYRONE POULTRY FARM, Fenton, Mich.

Wanted Combination mower and dropper, Tri-umph Reaper, Marsh Harvester, wife binder. C. W. TUOMY, Ann Arbor, Mich.

Farms and Farm Lands

FOR SALE: Ideal Dairy Farm

270 ACRES in Cloverland, Mich. 100 acres under the plow, balance in second growth timber. Water running through place. Buildings include 5-room house, large barn, poultry house, granary, root-house, large toolhouse, pighouse. Stock includes 10 cows, 2 horses, 4 brood sows, 1 boar, 75 chickens, 10 turkeys, 10 ducks, 5 geese, hay, grain and farm tools. Seven miles from three towns of 15,000 population each. Tar macadam roads from farm into each town. Milk selling at 10c per quart and sell all you can produce. Will sell farm complete with stock at \$50 per acre, part cash, balance on easy terms, or will take city property in exchange. WILLIAM DORRIS, Marquette, Mich.

\$1000 Secures So. Michigan Farm

80 Acres With 3 Horses, 3 Cows, Brood sow, poultry, vehicles, tools, cream separators, hay, grain, fodder, rye, etc., on improved road, handy advantages, city markets; 68 acres machine worked fields; pasture, woodland, 50 fruit trees; 2 story house, 50-ft. basement barn. Owner unable operate \$5500 takes all, only \$1000 needed. Details page 68 New Illus. Catalog 1290 Bargains FREE. STROUT FARM AGENCY, 813 BO Ford Bldg., Detroit, Mich.

Fine Farm, Stock and Tools. \$2000 Down

50 acres, 50 acres cleared, clay and gravel loam soil, level, on state trunk line road, 3 1/2 miles to market, in fine farming section, good 7-room house, good small barn, close to school, 3 good horses, 2 cows, wagon, harnesses, plough, drags, mow, ten tons hay, 5 tons straw, corn stalks, quantity of oats, corn, potatoes and household furniture. Price \$5000, \$2000 down, Write now to W. F. Umphrey, Ewart, Mich.

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apple and dairy lands sell low and bring big returns. Excellent markets. Progressive conditions. Fine schools and roads—the world's best and most healthful climate and water. Free information gladly sent on request. B. E. Wheeler & Co., Charlottesville, Va.

HEREFORDS SELL WELL AT BAD AXE.

THE recent sale of Hereford cattle conducted by T. F. B. Sotham & Sons, for breeders around Bad Axe, brought an average of nearly \$200 per head for the females, the top being \$250. The cows with calves brought from \$220 up. The sale was well attended and bidding was enthusiastic despite the rainy weather. Colonel Hutton presided in the box conducting the sale in a very efficient manner. Following are the sales:

Bulls.
Consolation, 1123494 to Joe Roggenbush, Harbor Beach, \$105.
Prince Fairfax 1123506 to W. H. McCarty, Bad Axe, \$100.
Disturber Fairfax 1079223 to Charles Dukelow, Bad Axe, \$105.
Polled Perfection 1067315 to W. H. McCarty, \$105.
Producer 830550 to W. H. McCarty, \$155.
Galvin Wodford 1103093 to Mrs. Kinch, Grindstone City, \$115.

Females.
Berna Fairfax 739798B6 to Lee Soper, Bad Axe, \$250.
Jane Keep On 893596 to H. Peddie, Cass City, \$195.
College Girl 664740-HC to Mrs. Kinch, Grindstone City, \$260.
Willia Fairfax 744594-BC to Mrs. Kinch, \$245.
Repeater Lass 1134336 to Sam Des Jardens, Bad Axe, \$90.
Grace 459263-BC to Jones Bros., Fostoria, \$220.
Wilton Girl 509615-BC to Anson Alexander, Melvin, \$230.
Star Beauty 643524-HC to Lee Soper, Bad Axe, \$350.
Hawthorn Fair 7th 889557 to Mrs. Kinch, \$230.
Hawthorn Fair 14th 926158 to J. R. Campbell, St. Johns, \$190.
Hawthorn Fair 15th 926165 to W. H. McCarty, \$120.
Hawthorn Fair 18th 968380 to Herman Limberg, St. Clair, \$170.
Hawthorn Fair 19th 988862 to W. H. McCarty, \$160.
Hawthorn Fair 20th 1011556 to Jas. R. Campbell, \$160.
Hawthorn Revel 1011570 to Herman Limberg, \$100.
Miss Snowball 10792126 to Mrs. Kinch, \$150.
Hawthorn Rosana 926175 to Mrs. Kinch, \$125.
Hawthorn Virgie 968388 to W. H. McCarty, \$205.
Hawthorn Lottie 988865 to James R. Campbell, \$145.

Veterinary.

CONDUCTED BY DR. W. C. FAIR.

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

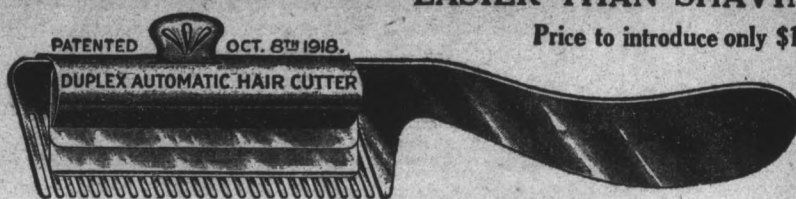
Congested Udder—Garget.—I have a problem for you to solve. Have a three-year-old cow which freshened last September and has been all right up to four weeks ago. Occasionally one quarter of bag has been caked and she has given stringy milk. Part of time the bag seems to be all right. F. C. M., Willis, Mich.—Give her a tablespoonful of fluid extract of phytolacca in feed three times a day. Rub bag with one part tincture of iodine and three parts camphorated oil daily.

Nervousness.—During the winter my horse shakes his head, moves ears, elevates upper lip, blows nose, paws when the snow falls on him or dust blows against him. E. P., Bay City, Mich.—Good care, kind treatment, proper feeding, regular exercise (work), and plenty of fresh air is the best remedy for an animal of this temperament.

Worms.—I feed my six-year-old horse corn, oats and good clover hay, but he is thin. He is inclined to rub tail. Had him treated for lampas and I give him some gentian in feed. A. E. J., Walloon Lake, Mich.—Give him a teaspoon of powdered sulphate of iron and the same quantity of salt in soft feed twice daily for twenty or thirty days. Groom him twice daily.

Hernia.—We have a Berkshire sow that had ten pig, the six males are all ruptured, but the females are all right. We intend to kill them in the fall. What is the remedy for them? J. V., Bay City, Mich.—Have them operated on by a veterinarian which has been successful in treating cases of this kind, and the best time is when the pigs weigh 25 pounds.

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You do not need any experience or practice to use the DUPLEX AUTOMATIC HAIR CUTTER. It comes to you ready for instant use, and five minutes after you receive it you can have your hair cut better than it was ever cut before.

The DUPLEX will cut as closely or trim as long as you wish it to be. No clippers or scissors are needed with the DUPLEX; it finishes the work completely. It cuts the front hair long and the back hair short. Trims around the ears, etc.

Inside of a very short time you will have to pay \$2.00 for the DUPLEX. The price today is \$2.00, but while our present stock lasts we will accept this advertisement the same as \$1.00 Cash. Cut it out and send it with ONLY \$1.00 and we will send you the DUPLEX AUTOMATIC HAIR CUTTER, ready for instant use, postage paid, to any address. Send today.

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Texas school lands for sale by the state at \$2 per acre; 5c an acre cash, balance in 40 years, 5% interest. Send 6c postage for further information. Investor Publishing Co., Dept. P, San Antonio, Texas.

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For Sale, near Ann Arbor, six room semi-bungalow, garden, lot 60x140, in a new subdivision. Write F. P. ARTHUR, 207 Observatory, Ann Arbor, Mich.

160 Acres
all fenced, 60 acres improved. House, stable, silo, etc. 5 acres bearing orchard. Trout stream across one corner. Gravel road, telephone and R. F. D. Good soil. Address, North-eastern Michigan Development Bureau, Bay City, Michigan.

Poor Man's Chance
\$5 down, \$5 monthly buys 40 acres productive land near town. Some timber. Price \$225. Other bargains. Box 425-Z, Carthage, Mo.

Wanted
To get in correspondence with party dealing in Farm and City property in Illinois, Ohio and Indiana and Michigan. Write or telegraph. FRANK B. RAY, Merrill, Mich.

92 ACRES. One of the best farms in the state for location, improvements and production. For particulars address. RAY O. TUTTLE, Creston, Ohio

WANTED
To hear from owner of land for sale. O. K. HAWLEY, Baldwin, Wisconsin

BEFORE BUYING that farm write for bulletin of Montana Land Bargains. Easy terms. Home-seekers' rates. LUTHER C. CLOSE, Doylstown, Ohio

For Sale: \$22 per acre. 357 acre improved North-western Ark. farm. Part cash, easy terms. Write CHESTER CULLEN, Marsh, Mont.

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New Four Months Old
WHITE LEGHORNS and MOTTLED ANCONAS Also Black Leghorns, Brown Leghorns, Buff Leghorns, Black Minorcas, R. C. Rhode Island Reds, Barred Plymouth Rocks, White Plymouth Rocks, Silver Wyandottes, White Wyandottes. WE HATCH eggs from Hogenized flocks on free range on separate farms. Where our chicks are raised. Send for Price List.

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yearling hens at bargain prices. Write your wants.

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S. C. White Leghorns

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Everlay White Leghorns

English 248 to 306 egg foundation. Pedigreed breeding cockerels at low prices. Particulars free. J. J. PATER, R. 4, Hudsonville, Mich.

Leghorn and Ancona Bargains
Yearling hens and pullets at reasonable prices. Also Shephard 1st pen breeding Ancona cockerels. Write today for prices. Thomas Beyer, R. 4, Zeeland, Mich.

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

R. C. Br. Leghorns, Pekin Ducks, W. Chinese Geese, both mature and young birds. Mrs. Claudia Betts, Hillsdale, Mich.

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

EASIER THAN SHAVING

Price to introduce only \$1

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

HOGS

Big Type Poland China

Spring boars now ready for service weighing 200 lbs. Sired by Clansman Buster and Haver's Liberator 600 lb. Jr. yearling. Come and see them or write DORUS HOVER, Akron, Mich.

Big Type Polands We have a fine bunch of spring pigs representing the best blood lines and all cholera immune. We raise them to sell. If in need of a real herd boar prospect, come over. Visitors are always welcome. WESLEY HILE, Ionia, 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.

L. T. P. C. Spring boars and gilts now being shipped, at farmer prices. They never last long. There's a reason. They talk for themselves. Call or write M. M. PATRICK, Grand Ledge, Mich.

Big Type P. C. Boar Pigs, Sows and Fall Gilts bred for Sept. to Big Bob Mastodon and Peter A. Pan, son of \$1075 Boar. C. E. Garnant, Eaton Rapids, 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

LEONARD'S B. T. P. C. Herd headed by Leonard's Liberator. Orders booked for boar pigs at weaning time. Call or write E. B. LEONARD, St. Louis, Mich.

Large Type P. C. A few spring yr. gilts bred for Aug. and Sept. farrow. H. O. SWARTZ, Schoolcraft, Mich.

P. C. Swine. Sows and pigs, sows bred for Aug. and Sept. farrow, spring and fall boars, best of breed, ing, satisfaction guaranteed R. W. Mills, Saline, Mich.

Walnut Alley, Big Type, Poland China, the kind that go. A. D. GREGORY, R. 3, Ionia, Mich.

Lone Maple Farm L. T. P. C. March Boars and gilts ready. Prices reasonable, stock as represented. F. R. Davis & Son, R. 3, Belding, Mich.

Big Type P. C. Spring boars and gilts ready for new homes, also sows and pigs. CLYDE FISHER, St. Louis, Mich.

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

SHEEP

Kope-Kon Farms

Offers the best in yearling Shropshires of course. Also choice of the best lot of Ram Lambs you will see this year. Follow M 29.

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Strong robust one and two yr. old Wool-Mutton Shropshire rams priced right. Tell us what you want. Maplewood Stock Farm, Allegan, Mich

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Registered Southdown Best of breeding. G. BURTON WRIGHT, Lawrence, Mich

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Manchurian Wolf Fur Scarf

\$3.98

Mention Size, and Color Wanted



There isn't a woman anywhere that doesn't want and need a handsome fur scarf. And Sharood offers an unusual value at a price within the reach of everyone. This scarf is about 46 inches long and 12 inches wide. It is stylish as well as warm. The lining is good quality satin, and there is an extra ruching laid around the neck inside, so as to protect the fur from wearing. Only the most expensive fur scarfs have the features which we offer you at this bargain price. Order black Manchurian wolf scarf by No. 58E5193. Order brown by No. 58E5194. Send no money. Pay only \$3.98 and postage on arrival. If not satisfied your money will be refunded. Be sure to state color wanted.

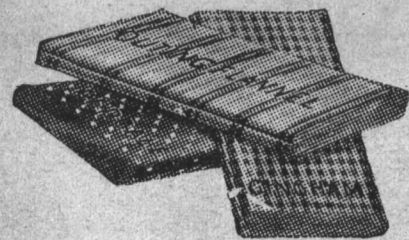
Brown Calf or Patent Leather Flappers

\$1.98

State Size



This smart pump in sizes 2½ to 8. In black patent leather or mahogany calf finish—a stunning one-strap model with imitation shield tip and medallion, effectively perforated. Has medium rubber heel. Order Patent leather by No. 58A72. Order brown calf by No. 58A73. Send no money. Pay \$1.98 and postage on arrival.



10 yards Fancy Outing Flannel \$1.49

Ideal weight for nightgowns and undergarments. In fancy stripes, checks and plaids, white grounds with pink, blue or tan designs. 27-inch width. State pattern and color. Order by No. 58E3423. Send no money. Pay \$1.49 for 10 yards and postage on arrival.

10 yards 36-inch Percal at \$1.49

Very choice patterns in fast colors. In white, gray, Calcutta and Indigo blue with neat stripes, figures or dots. State color and pattern. Order by No. 58F3406. Send no money. Pay \$1.49 for 10 yards and postage on arrival.

10 yards 36-in Challies \$1.59

Persian and floral patterns. Predominating colors—navy, pink, red, tan, green or blue grounds. Order by No. 58F3404. Send no money. Pay \$1.59 and postage for 10 yards on arrival. State color.

10 Yards Unbleached Muslin 89c

Unbleached muslin of excellent wearing quality—unequaled for domestic uses. 36-in. width. Order medium weight by No. 58F3630. Send no money. Pay 89c and postage for 10 yards on arrival.

10 Yards Bleached Shaker Flannel \$1.39

An extraordinary price for fine quality Shaker flannel. Ideal for children's winter undergarments. Order by No. 58F3636. Send no money. Pay \$1.39 and postage for 10 yards on arrival.

Very Richly Embroidered Gabardine Dress

\$2.98

Sharood especially recommends this pretty model. A becoming style that is going to be very popular this Fall. Has wide flowing sleeves, two new fashion panels. Handsomely embroidered at top of waist. Women's and misses; sizes 16 to 44. Order Brown No. 58E5521. Order Navy No. 58E5520. Send no money. Pay \$2.98 and postage. Money back if you're not satisfied. State size wanted.



Women's Black or Brown Calf or Patent Leather Oxford

\$1.98

Give Size.



Made with imitation shield tip and medallion perforated vamp, perforated lace stay and circular foxing. Has medium rubber heel and medium pointed toe. Sizes 2½ to 8, wide widths. Order Patent leather by No. 58A64. Order gun metal by No. 58A69. Order Brown by No. 58A70. Send no money. Pay \$1.98 and postage on arrival.

Men's, Boys' and Little Boys' Gun Metal Blucher

\$1.79 UP

State Size



Mothers—don't fail to take advantage of this splendid offer in a practical blucher for your boys. Sturdy dress shoe for boys and little fellows, of heavy, genuine gun metal veal uppers and solid leather soles. Low, broad heels. Be sure to get your order in at once. Big value. Order for men, sizes 6 to 11, by No. 58A674. Price \$1.99. Order little boys' gun metal blucher, sizes 9 to 13½, by No. 58A590. Pay \$1.79 and postage on arrival. Order same style for big boys, sizes 1 to 5½, by No. 58A589. Pay \$1.89 and postage on arrival. Always mention size.

Men's Special HIP BOOTS

Men's pure gum hip boots; friction lined; heavy corrugated sole and heel; guaranteed first quality. Made of the very best rubber. Usually retailed at \$5. Be sure to order your pair while this great saving offer lasts. Sizes 7 to 12. Wide widths. No. half sizes. Order by No. 58A949.

\$2.79

Give size.



Fine Fur Trimmed COAT

For Girls Only \$3.98

A sensational bargain—a handsome coat of Pressed Velour in Navy Blue or Brown. Regular \$7 value. Has collar of genuine Kit Coney, which buttons snugly around throat. Belt all around, two novelty pockets and two buttons at back. Sizes 7 to 14 years. Order brown No. 58E5595. Navy No. 58E5596. Send no money. Pay \$3.98 and postage on arrival. Order similar style with handsome plush collar. Sizes 2 to 6. Black No. 58E5581. Brown by No. 58E5582. Mention size. Price, either color, \$2.98. Send bargain price and postage.



Men's and Boy's Durable Outing Bal

Uppers are soft, pliable brown leather. Absolutely guaranteed barnyard proof; reliable sturdy soles; low, broad leather heels; leather insoles; reinforced leather back stay. Wide widths. Sizes 6 to 12.

\$1.99



Be Sure to Give Size.

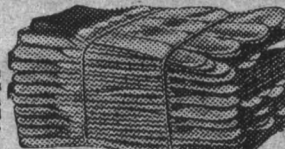
Order by No. 58A733. Send no money. Pay \$1.99 and postage on arrival. Order little boys' sizes 9 to 13½ by No. 58A565. Price \$1.79. Order big boys' sizes 1 to 6 by No. 58A564. Price \$1.89. Pay bargain price and postage on arrival. State size.

1 Doz. Work Gloves

99c

Regulation stout canvas work gloves, with elastic knitted wristlets. Generously sized.

Order by No. 58B2835. No money now. Pay 99c and postage for one dozen pairs on arrival.



Women's Black Calf or Kid Hi-Cut

Send for this handsome rich kidskin shoe in black or brown. Note the medium toes with pretty imitation perforated tips, the perforation around vamp and on lace stays. Very popular model and really a sensational bargain now. Durable, flexible soles. Sizes 2½ to 8. Wide widths.

\$1.98



Give Size

Order black by No. 58A122. Pay \$1.98 and postage on arrival. Order same style, Black Gun Metal, by No. 58A476. Pay \$1.98 and postage on arrival.

Be Sure to State Size

Men's Cotton Flannel Shirts

89c

Just the shirt that men need in large numbers, and offered at absolutely the lowest price in America! Khaki or grey cotton flannel. One pocket, faced sleeves, reinforced yoke, double stitched seams throughout.

Will give the very best kind of wear. Order a year's supply while you can get them at this bargain price. Sizes 14½ to 17 neckband. Order grey shirt by No. 58B2475. Order khaki color shirt by No. 58B2476. Send no money. Pay 89c and postage for either color on arrival.



WOMEN'S

Popular Stitchdown Dark Brown Oxfords

\$1.98

Give Size



Classy stitchdown Oxford for women. Wonderfully comfortable and stylish. Uppers of dark mahogany leather. Smooth leather insole. Flexible stitched-down oak outsoles. Low rubber heels. Sizes 2½ to 8. Wide widths. Order by No. 58B268. Send no money. Pay only \$1.98 and postage on arrival.

MEN'S AND BOY'S

Brown Leather Work Shoe

\$1.98

State size.



Splendid brown leather work shoes. Heavy durable uppers; extra strong solid oak leather soles; leather insoles; low broad leather heels; reinforced leather back stay. Roomy last. Sizes 6 to 12. Order by No. 58A758. Send no money. Pay \$1.98 and postage on arrival. Order boys' sizes 1 to 5½, by No. 58A554. Price \$1.89. Order little boys' sizes 9 to 13½ by No. 58A555. Price \$1.70 and postage on arrival. Mention size.

Men's Winter Underwear

99c

Heavy weight flat knit union suits of select long fibre cotton in popular Jaeger or grey Random color. Heavily brushed fleece lining on inside. Wrists and ankles are elastic knit. Sizes, 34 to 46 chest. Buy a year's supply right now—today. Jaeger color No. 58C1279. Grey Random No. 58C1280. Send no money. Pay 99c and postage on arrival. State size. Boys' Flat Knit Union Suits of fine quality cotton. Sizes 24 to 32 for 8 to 16 years. Order by No. 58C1358. Price 79c. Pay 79c and postage on arrival.



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