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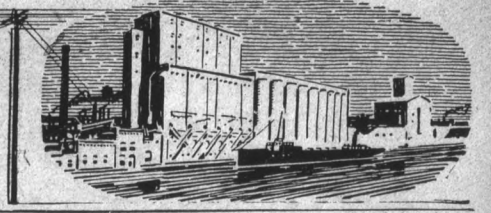
The Michigan

NOVEMBER 20, 1926

BUSINESS FARMER



*An Independent
Farm Magazine Owned and
Edited in Michigan*



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COUNTY CROP REPORTS

Huron (E).—A few fair days. Some beans still out. Bean threshers report crop worthless except for feed. Most jobs threshed by set or hour. Bean huller plastered inside with damp dirt. Potatoes not doing so well on clay. Some frosted on Nov 1st. Wheat nice color. Rye coming up. Great prices paid for cows and springer heifers for local use at auction sales; far above stockyard quotations. Sales nearly every day. Not always well attended. Farmers selling out, suffering great loss on horses and machinery. Little groups of men discuss prospect of the coming of the hardest winter for old men and old horses the country has ever known, following the most unfavorable summer which has drove the young folks away. Hogs scarce but little pigs frequently seen, \$4.00 per head. Election disregarded by many farm folks.—E. R., 11-9-26.

Genesee.—The present cold spell has practically suspended all farm work, except doing chores. There are some beans yet to be cut, but most farmers who have them do not expect to harvest them. Not very many potatoes; lost them freezing. Several acres of late sown wheat looking very good. Some corn being husked by hand but not much. Most will be done by machine. Quotations at Flint: Wheat, \$1.31 bu.; corn, 82c bu.; oats, 42c bu.; rye, 82c bu.; beans, \$4.65 cwt.; potatoes, \$3.00 cwt.; butter, 47c lb.; eggs, 48c doz. H. E. S., 11-11-26.

Mason.—Snow on November 9th finds many apples still in orchards. Corn unhusked. Baling is partly finished but no sale for hay. Farm of 160 acres with stock and machinery sold this week for \$4,500 cash. Testing of cows for T. B. nearly finished. In one herd of 57 Short-horns 29 were affected. Veal calves, 17c lb.; chickens, 20c lb. Quotations at Scottville: Wheat, \$1.24 bu.; oats, 50c bu.; rye, 80c bu.; beans, \$4.75 cwt.; potatoes, \$1.10 bu.; butter, 42c lb.; eggs, 47c doz.—G. Pearl Darr, 11-9-26.

Monroe.—Continued wet weather has been bad for corn fodder. Those who could get their silos filled fared better. Some potatoes were also lost by rotting where fields were not well drained. Generally all crops were abundant and so these losses will not be so badly felt. Though of course, prices will go higher than if all could have been saved. Some fields have been too wet to go into with machinery. Quotations at Monroe: Wheat, \$1.32 bu.; corn, 95c cwt.; 38c bu.; rye, 75c bu.; potatoes, \$1.60 bu.; butter, 25c lb.; eggs, 46c doz.—Mrs. Florence Howard, 11-10-26.

Lenawee (W).—Corn husking the order. Corn not dry enough to husk with machine—but is being done. Potatoes about all dug. Fair crop, some selling, others storing for better price. Hog cholera on most farms in some localities, others have none. Some vaccinated but serum is scarce and hard to get. Weather raw for the last few days. Quotations at Cadmus: Hay, \$12.00 ton; corn, 85c bu.; oats, 38c bu.; wheat, \$1.42 bu.; potatoes, \$2.75 cwt.; eggs, 56c doz.; butterfat, 51c lb.—C. B., 11-11-26.

Clinton-Eaton-Ionia.—We have had a few nice days and the farmers have taken advantage of this to hull clover seed and pick apples. Some are husking corn. A few are fall plowing. Beans are picking anywhere from six to thirty pounds. Most of the clover seed is a fair yield. Cows are bringing a good price at auctions but other things are cheap. Quotations at Lansing: Wheat, \$1.27 bu.; corn, 80c bu.; oats, 35c bu.; beans, \$4.70 cwt.; potatoes, \$1.40 cwt.; butter, 47c lb.; eggs, 38c doz.—B. B. D., 11-9-26.

Hillsdale (NW).—Have been having some fine weather until it started to rain Tuesday, then to snow in the afternoon, freezing at night, so that the ground is covered with snow and froze. Farmers still husking corn when weather permits. Good cows bringing around \$100.00 at auctions. Sows and pigs bringing good prices. Eggs 56c for browns, 58c for whites, the majority of farmers are not getting many just now. Latest returns from the co-operative creamery were 64c a pound for butterfat for September. A little fall plowing has been started.—C. H., 11-11-26.

St. Joseph.—Late potatoes are all dug. Farmers are busy husking corn. Some of the early birds are boasting of being done husking while the latest ones haven't started yet. Fall grain looks exceedingly well. Potatoes were a fair crop. The recent snow storm is causing considerable uneasiness among the farmers.—Alvin J. Yoder, 11-11-26.

Midland.—Rain is still holding back all farm work. Many acres of beans to harvest; some never will be. Sugar beets on dirt roads are in the fields not able to get out; many not lifted yet. Bean threshing is on and in many cases of poor quality. Pasture good. Wheat looking good. Quotations at Midland: Hay, \$13.00 ton; corn, 75c bu.; oats, 27c bu.; rye, 72c bu.; wheat, \$1.23 bu.; beans, \$4.80 cwt.; pota-



toes, \$1.10 bu.; eggs, 45c doz.; butter, 46c lb.—B. V. Chase, 11-10-26.

Saginaw (NW).—Froze up last night. Sugar beets not all pulled. Some beans not pulled and it will be impossible to do anything with them now. Farmers are busy hulling beans and hauling beets. Not much fall plowing done. Some husking corn by hand. It is too soft and green to shread. Quotations at Hemlock: Hay, \$15.00 ton; corn, 70c bu.; oats, 40c bu.; rye, 76c bu.; wheat, \$1.22 bu.; beans, \$4.80 cwt.; potatoes \$2.00 cwt.; eggs, 50c doz.; butter, 45c lb.—F. Dunsey, 11-10-26.

Wexford.—Winter seems to have come early. Snow covers the ground and the weather is cold. A few farmers still have potatoes in the ground. Much fodder is still in the fields. Auto traffic is uncertain on account of bad roads. Mailmen are using sleighs. Quotations at Cadillac: Hay, \$17.00 ton; corn, 85c bu.; oats, 46c bu.; rye, 78c bu.; wheat, \$1.15 bu.; beans, \$4.50 cwt.; potatoes, \$2.00 cwt.; eggs, 36c doz.; butterfat, 44c lb.—E. H. D., 11-9-26.

Missaukee.—A week ago today a few sleighs were out. We had a foot of snow. Today we are having another snowstorm. Wood cutting is now in order. Dairy and alfalfa meetings held in our county this week. Several auction sales around here lately. Bad roads caused a very light vote at election but the county agent won out 527 to 325.—J. H., 11-9-26.

Berrien (N).—The few apples which have not been picked are frozen on the trees. Apple market very low and dull. Most of B's and Commercial now going for cider. Ciders 30 to 35c per cwt. Many apples yet unpacked. Some under the snow in orchards. Growers dissatisfied with grape grades.—H. N., 11-11-26.

Alpena.—Quite a lot of snow here at present. Most farmers caught with fall work still to be done. We are hoping to see some nice weather yet. Quotations at Spratt: Hay, \$16.00 ton; oats, 45c bu.; rye, 75c bu.; wheat, \$1.25 bu.; beans, \$4.00 cwt.; potatoes, \$1.90 cwt.; eggs, 40c doz. butter, 40c lb.—R. Haken, 11-11-26.

Gladwin.—We had a 5 inch snow on Nov. 1, which lasted all week. It has been raining steady now for several hours. Some beans which were just ready to go in before the snow are still out. Sweet clover seed is still out in the field. Lots of potatoes going to market; price has dropped from \$1.32 per bu. to \$1.08. Lots of stock going in every shipping day. Some silo filling to do yet, also some grain threshing.—L. C. Y., 11-9-26.

Calhoun.—Farmers are about through with all work excepting corn, many fields haven't been cut. Apples mean a good crop.—M. M. P., 11-11-26.

Clare.—Not much being marketed at present. Some beans and potatoes still to be harvested. Beans will hardly be worth the thresh bill. Snow Tuesday night and Wednesday ground not frozen a bit. Lots of sickness reported. Farmers not very optimistic. Labor scarce and high. Prices are still up. Poultry down.—R. E. D., 11-12-26.

FIFTH STATE SALE PROVES A SUCCESS

WITH an average selling price of \$237 per head for 45 head—9 of them bulls—the Fifth State Sale conducted by the Michigan Holstein-Friesian Association, proved to be a success.

The offerings were taken by Michigan farmers who are either starting in purebreds or who found good stuff in the sale to improve their present herds. The heaviest buyer was E. D. Levy, of St. Louis, Missouri, whose partner, Jack C. Nixon purchased 12 head for \$2800 for the Levy farm near Brooklyn, Michigan. The next largest buyer was the Wayne County Training School, Northville, Michigan.

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at Mt. Clemens, Mich., under act Mar. 3, 1879.

Over 200 Farmers "Serve Time" At Jackson

All in for Short Term and Good Behavior Won Paroles At End of One Day

SUMMONS. You are hereby sentenced to serve one day in the Michigan State Prison at Jackson on Tuesday, November 9, 1926, by order of Warden Harry H. Jackson and The Michigan Farm Bureau Supply Service of Lansing, Mich. Failure to comply with this order forthwith will result in dire consequences.

It was an innocent looking envelop, but upon opening it the above met my eye, leaving me completely speechless. What had I done? Perhaps my careless remarks that the old flivver was capable of doing "forty miles per" had reached the ears of the law and I was labeled as a speeder, a reckless driver possibly. Or it might have been that there was someone watching after all when I picked up those few nuts that had fallen along the roadside, just outside of the farmer's fence. I had looked very carefully before taking the chance but—well there might have been someone near in spite of all my precaution. My whole past life was reviewed in my mind. I remembered once a few years ago I sort of talked back to an officer. I even thought of the couple of times when a boy I went swimming down in the creek in my "birthday clothes." In fact, I had just about arrived at the conclusion that I was a real hardened criminal, when it occurred to me to question why the Supply Service of the Farm Bureau should have a hand in this prison sentence. Surely they had nothing against me, that is I didn't think they had, not as far as I could remember, and although the sentence was only for a day, I wasn't so sure that they would ever let me out once I was behind the bars.

Just then I noticed a letter that had accompanied this summons and, with shaking hands, I opened it. After reading only a few words my fears vanished and in my imagination I saw my clothes change back from stripes to civilian garb. It was an invitation to spend the day at the Prison, along with the managers of the co-operative associations of Michigan, who were to be temporary guests of Warden Jackson.

Orders were to report to the main prison at 10 o'clock, and one half hour later we were to visit the new prison "under heavily armed guards." Over two hundred managers, county agents and farmers were on the job, willing to take the chance of going into prison and get-

ting out again without difficulty.

At the new prison we went through the power plant under construction, also through the dyeing plant, and inspected the new cell blocks now going up. They estimate that the new prison when completed will have cost \$7,000,000, the work being done by the prisoners, while with free labor it would cost at least \$2,000,000 more. Around the prison is a 34-foot wall of concrete with guard houses at regular intervals.

Back to the main prison at noon we were taken through many doorways, with iron gates clanging shut after us, to the dining room where we were served a bountiful luncheon.

played as we dined and following the luncheon Warden Jackson welcomed us officially. Next he introduced Wm. H. Porter, chairman of the State Prison Board, who explained that they tried to establish industries that would not compete with private industries of the state, and where they do prices are held at a level that do not interfere with the interests of free labor. Last year the income from the three state prisons was \$394,000, he said.

Following the luncheon a tour of inspection was made through the monument department, the textile plant, the stamp department where the automobile license plates are

made, cannery, cotton factory, warehouse and twine department, and the binder twine mill. Warden Jackson explained how sisal hemp from Mexico and Manila hemp from the Philippines were combined to make high grade twine.

The cell blocks, known as "Riley's Flats" after Assistant Warden Riley, were next visited, and from there we went to the chapel, attendance being "compulsory" according to the "summons."

The prison orchestra again entertained us for a brief time, after which Warden Jackson talked. He introduced Clark L. Brody of the Michigan State Farm Bureau who was scheduled to do some "canonading," but declared he had looked the word up in the dictionary and could not qualify for such a term. Stanley F. Wellman, in charge of sales for the prison twine department, then gave a humorous talk on "How to Unload the Five and Eight Pound Ball." Following this there was further entertainment by the orchestra and vaudeville artists.

At the end of the program A. L. Thomas, manager of the Michigan State Farm Bureau Supply Service, recommended that the group be paroled because of good behavior, so we all worked our way outward, thanking our lucky stars as we passed through each doorway and heard the gate close behind us.

Freedom gained once more I resolved to never pick up any more nuts along the roadside, or speak hastily or heatedly to a policeman, or try to make anyone believe that the flivver can win in a race with even a snail. Warden Jackson treated us wonderfully but—I have no desire to arrange for a long lease of room and board in his hotel.

GREAT PLANS MADE FOR FRUIT MEN'S CONVENTION

ANY grower in Michigan who depends on fruit for a large part of his living and income should plan to attend the joint meeting of the American Pomological Society and the Michigan Horticultural Society to be held at the Pantlind Hotel, at Grand Rapids, November 30 to December 3. In conjunction with this meeting will be held the Michigan Apple Show and machinery exhibits in the Fine Arts building.

Among the reknown speakers on the program for the first day of the meeting are: J. H. Gourley, Chief of

(Continued on page 23)

By MILON GRINNELL

PROGRAM FOR JOINT MEETING OF NATIONAL AND STATE HORTICULTURISTS

AT GRAND RAPIDS, NOV. 30-DEC. 3

(Meetings to be held in Ballroom, Pantlind Hotel.)

Tuesday, November 30.

- 10:00 A. M.—Facts and Follies of 1926.—Told by fruit growers.
- 11:00 A. M.—Our Opportunity, Easterner's conception of Western Orchardng.—H. M. Peck.
- 11:15 A. M.—Story of Northwest.—J. H. Gourley.
- 1:30 P. M.—Better Pack of Apples.—R. G. Phillips.
- 2:15 P. M.—Growing the Wenatchee Apple.—William Meikle.
- 3:30 P. M.—Orchard Management, Round Table discussion.—Arlie L. Hopkins, chairman.
- A.—Reducing Production Costs.—Geo. Friday.
- B.—Advantages of Diversified Fruit Crops.—J. P. Munson.
- C.—Distributing Farm Labor by Means of Air Cooled Storage.—J. Keeney.
- D.—Efficiency in Harvesting and Packinghouse Management.—R. L. Everts.
- E.—Organizing Spray Work.—H. A. Cardinell.

Wednesday, December 1.

- 9:30 A. M.—Making Dollars or Making Dimes in Orchard.—V. L. Gardner.
- 10:30 A. M.—Business meeting of Michigan State Horticultural Society.
- 11:00 A. M.—Present Trend of Apple Growing in America.—Ralph Rees.
- 1:30 P. M.—Cherry Maggot Control Service.—Prof. R. H. Pettit.
- 2:00 P. M.—Dusting to Delay Cherry Harvest.—H. B. Tukey.
- 2:30 P. M.—Some Profitable and Unprofitable Practices in Cherry Orchard.—A. J. Rogers.
- 3:30 P. M.—How Much Cultivation Do Fruit Trees Really Need?—D. E. Bingham.
- 6:30 P. M.—Banquet, with Paul Stark as toastmaster.

Thursday, December 2.

- 8:00 A. M.—Apple Judging Contest.—Vocational Agricultural H. S. Students.
- 9:30 A. M.—Putting Human Interest Into Fruit Business.—M. H. Willis.
- 10:15 A. M.—Progress of National Publicity and Advertising Campaign.—John W. Gorby.
- 10:45 A. M.—Business Meeting American Pomological Society.
- 1:30 P. M.—Arsenical Injury to Peach Trees.—C. W. Bennet.
- 2:00 P. M.—Oriental Peach Moth.—L. G. Gentner.
- 2:15 P. M.—Marketing 60,000 Bushels of Fruit at Roadside.—R. D. Willoughby.
- 3:00 P. M.—Peach Pruning.—F. P. Culliman.
- 3:45 P. M.—Gassing Peach Borer (moving picture).—Robert Anderson.

Friday, December 3.

- 8:00 A. M.—Inter Collegiate Apple Judging Contest.
- 9:30 P. M.—Retailing Apples.—Chas. L. Barker.
- 10:00 A. M.—Fruit as Merchandise.—G. E. Praeter.
- 10:45 A. M.—Consumer Demand, Guide to Horticultural Production.—W. F. Rofkar.
- 1:30 P. M.—How to Make Most of Roadside Market.—H. P. Gaston.
- 2:15 P. M.—Observations of Horticulturist in Europe.—U. P. Hedrick.
- 3:15 P. M.—Student Speaking Contest.—M. S. C. students competing.

Mayville's Potato Grading Exhibit Largest of Any 1926 Show in State

By H. C. RATHER

Extension Specialist, Michigan State College

the vastly improved character of exhibits throughout the whole show.

Show Improvement

Harry Moore, Chief of Potato Work at the Michigan State College, judged the 147 entries made by 92 Thumb farmers and stated that the show was fully 100 per cent better than the initial effort of a year ago.

Keenest competition was brought out in the class for Russet Rurals, where the class of 33 entries was topped by the exhibit of A. C. Bredow of Bad Axe. The potatoes of M. C. Mount, Mayville, and John Valentine, Fostoria, pressed Bredow's exhibit closely.

White Rurals brought out another strong class, especially for the farmers who grow their spuds on slightly heavier soils. Honors here were won by F. A. Mertz, Caro, with George Rossman, Metamora, second. Stanley Stokes, Kingston, won first on

Green Mountains without much competition.

Gaylord Growers Win

The certified seed class was thrown open to the entire state and A. C. Bredow, of Bad Axe, and Morris Mount, of Mayville, were the only Thumb District growers to place. Gaylord growers took the honors back north with them when Walter Allis and Ernest Pettifor placed first and second, respectively.

A. C. Bredow took more of the money to Huron county and added to his reputation as a potato grower when his single entry was designated the best potato in the show. His youngsters, Elsie and Cecil, placed first and second in the class for boys' and girls' clubs and high school students.

Other winners were Lloyd McPherson, Millington, on Russet Burbanks, Clarence Blassins, Caro, on

Irish Cobblers, and Jesse Ladd, Mayville, on Early Ohio.

The afternoon programs and evening banquet were well attended, despite unseasonably cold weather, and farmers from all over the Thumb listened to talks on potato culture by C. M. McCrary and H. C. Moore, Michigan State College potato specialists, potato grading by William Esslinger of the State Department of Agriculture, and the value of shows and exhibits by C. V. Ballard, assistant state county agent leader.

A potato storage and disease control exhibit was put on by the Michigan State College, a certified seed grain exhibit by the Fairgrove Associated Seed Growers, who have become widely known, particularly for their certified Worthy Oats and Wisconsin Pedigree Barley, while growers from the north put on a display of certified seed potatoes as they are offered for sale.

John Sims, Tuscola county agricultural agent managed the show.

JOHN LYNCH of Mayville knows his spuds. So does Louis Schroepel of St. Clair. At least, so thought William Esslinger of the State Department of Agriculture when he judged the large potato grading interpretation exhibit at the Thumb District Potato Show at Mayville, Wednesday, November 10, and gave these two growers a perfect score in a tie for first place in this class.

It was the largest potato grading exhibit put on at any of the Michigan potato shows this fall, 27 farmers competing. Tie scores seemed to be the rule, Stanley Stokes, of Kingston, and Carl C. Smith, of Colling, knotting the count for second place, while seven more growers were bunched for third high scores. Last year, the first of the Mayville Show, none of the growers approached perfection in their interpretation of potato grades and officials of the show were highly elated over this year's progress, not only in this class but in

Top O' Michigan Potato Show Had 292 Entries

John Allis Wins Sweepstakes At Gaylord and Irvin Cole Gets Most Money

By H. C. RATHER

Extension Specialist, Michigan State College

FOUR years of striving have been rewarded. The Top O' Michigan is paying honor to a new champion and John Allis, Gaylord spud grower par excellence, is back home proudly displaying the royal purple ribbon which proclaims his carefully grown Russet Rurals as sweepstakes winners in one of the greatest potato classes ever gotten together.

For four hours, Judges A. G. Tolaas of the Minnesota State Department of Agriculture and Harry Moore of the Michigan State College worked over the 92 entries of Russet Rural Potatoes, the standard variety for northern Michigan. Each entry consisted of 32 smooth, oval shaped, russet hued Petoskeys, the trade name under which much of Michigan's Russet Rural crop is shipped. Each individual potato approached perfection, and it was no easy job to set aside the excellent samples which farmers from eight of the Lower Peninsula's most northerly counties had entered for the highest award of their show. Gradually, those samples in which some slight flaw, a small variation from type, a little lack of uniformity or a bit of skin bruise showed, were eliminated and finally only one was left, the entry of John Allis.

At no time during the four years of the Top O' Michigan Potato Show has a champion repeated. Last year and in the other years before, Mr. Allis' samples had been down in the also-rans. They were good; maybe they won an award of merit, but others were better. But Mr. Allis always came back, studied the type of the samples that beat his, put on a bit more fertilizer, watched his type a little closer and saw his repeated efforts finally rewarded with the highest honors of the show.

But Mr. Allis was not the only one to contribute to the drama of Top O' Michigan's largest and best potato show week before last. Irvin Cole of Alanson shared almost equally the upstate honors. He too had never placed a winner. Nearby neighbors had won when his entries were well down the line, but, like Mr. Allis, he kept at it and it was his entry of 60 pounds of certified Russet Rurals that won highest honors in the special class for a bushel of certified seed, while his 32-potato entry in the open class for Russet Rurals placed second only to the championship entry of John Allis.

High Money Winner

Mr. Cole was the high money winner of the show, with a first in the certified seed class, a second in the open Russet Rural class and a third in the special State Department of

Agriculture class showing the standard grades of Michigan.

Of the early potato growers, Ray Warner, Gaylord, topped the list in Irish Cobblers, the largest class, John Kaislake, Vanderblit, won out in Early Ohios and R. J. Gehrke, Ossineke, headed the open variety class. In the late potato classes, besides Russet Rurals already mentioned, Michael Smilowski, Gaylord won in the White Rural class and Mr. Gehrke had the best Green Mountains.

J. D. Robinson, Pellston, placed first with a bushel of certified Irish Cobblers in the early seed class, John Allis, sweepstakes winner, repeated in another good class with the best bushel of baking potato while Theron Sutton of Central Lake exhibited the best individual potato in the show, a Russet Rural.

Harbor Springs High School surprised by copping first honors in the grading exhibit winning over four experienced potato growers. The exhibit proved of real educational value and the boys have \$40 to spend on their school farm.

Otsego County Repeats

The class for county exhibits was about the only one which provided a repeater, Otsego, spurred on by County Agent A. C. Lytle, again winning over its northern neighbors with the best dozen or more entries. It was this class which really demonstrated the strength of the Top O' Michigan Show. C. H. Blivin, new agricultural agent for Alpena

county, led his growers in with a dozen entries which, according to old timers, would have easily placed first at former shows. This year, they placed fifth. Cheboygan was second, Antrim third and Emmett fourth.

The Top O' Michigan Show proved to be more than an exhibit of good potatoes. It was really an exhibit in progressive Michigan rural life. There was the singing contest, between four church choirs well equipped to display their art. Prof. J. S. Taylor of the Michigan State College Music Department, judged and the Gaylord M. E. Choir, four men and four ladies, received the one hundred dollar check from R. E. Olds of Lansing, who is sponsoring a Community Music Fund.

200 Attend Banquet

A banquet the evening of November 4th was attended by 200 farmers, merchants, bankers, brick layers or what have you. Director John Willard, new director of Continuing Education at M. S. C., furnished the food for thought in a discussion of "The Farmer of the Future," a man whom Mr. Willard said would be successful in a strongly competitive life.

R. W. Rees, New York Central Horticulturalist and Dr. V. R. Gardner of the M. S. C. Horticultural Department, contributed to the daily program. Mr. Rees with a discussion on the apple crop ten years hence, when he believes only the more expert of apple growers will have a chance to succeed, and Dr.

Gardner with a talk on home orchards, the kind so well suited to the section of the state covered by this show, a section which goes strong on quality potatoes but had nothing unusual in its fruit section of the show.

Others who spoke at the daily meetings were H. C. Moore and A. G. Tolaas, judges of the show, I. R. Waterbury, publisher of the Michigan Farmer and R. J. H. De Loach, Agronomist with the Armour Fertilizer Works.

The crowd of nearly 300 which took much interest in these technical and cultural discussions spent much of its time looking over educational exhibits, one on potato grading by the State Department of Agriculture, the other on potato diseases by Michigan State College. The latter took the form of a potato disease identification contest for which substantial prizes were given.

Thirty potato growers entered the contest and Irvin Cole demonstrated one of the reasons why he was high money winner of the show by scoring 94%, an exceptional achievement in disease identification. His closest competitor scored 74%, while others scored from well below 50% to about 70%.

All together, there were 292 entries, 25 more than ever before. A list of the more prominent winnings is given below.

Class 1—Russet Rural

First Prize—John Allis, Gaylord; Second, Irvin Cole, Alanson; Third, Ira Cole, Alanson.

Class 2—White Rural

1st—Michael Smilowski, Gaylord; 2nd—Edward Vannel, Gaylord; 3rd—A. Smilowski, Gaylord.

Class 3—Green Mountain

1st—R. J. Gehrke, Ossineke; 2nd—Albert Gehrke, Ossineke.

Class 4—Irish Cobblers

1st—Ray Warner, Gaylord; 2nd—H. O. Robinsin, Pellston; 3rd—Clever J. Brudy, Wolverine.

Class 5—Early Ohio

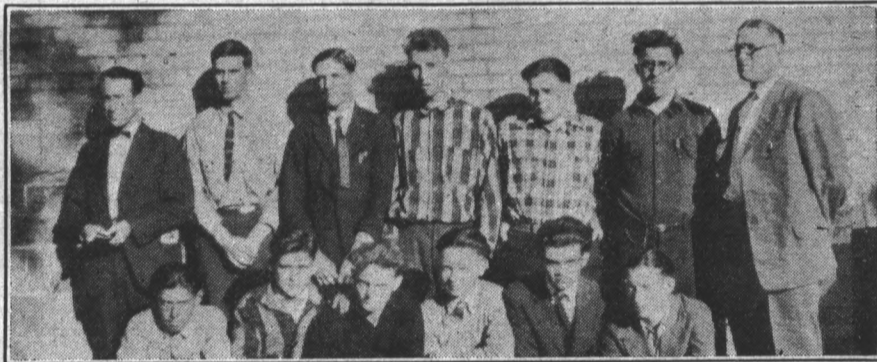
1st—John Kaislake, Vanderbilt; 2nd—Dan McAllister, Gaylord.

Class 6—Any Other Variety of Merit
1st—R. J. Gehrke, Ossineke; 2nd—Clever J. Brudy, Wolverine; 3rd—Theo. Habermahl.

Class 7—12 Samples, 32 Potatoes
1st—A. C. Lytle, Otsego County; 2nd—J. E. Brudy, Cheboygan County; 3rd—D. B. Jewell, Antrim County.

Class 8—Best 60 Lb. Bag From Seed
1st—Irvin Cole, Alanson; 2nd—Ed. Sutton, Central Lake; 3rd—F. E. Wyrick, Alanson.

(Continued on page 21)



MANTON BUSINESSMEN SENT FARM BOYS TO DAIRY SHOW

Businessmen of Manton, Wexford county, are keenly interested in dairying, and they raised the necessary expenses to send the animal husbandry class of the Manton Rural Agricultural School to the National Dairy Exposition recently held at Detroit. The boys were there only as observers, spending two days taking in the sights. They travelled by auto and were accompanied by Dorr Stack, superintendent of the school and I. Fay Horton, cashier of the Manton State Bank. In the group are: (Left to right, front row) Harold Rutan, Dallas Culver, Clyde Creed, Garnet Foxworthy, Herbert Derbyshire, Vern Cook. Back row: Dorr Stack, Gaylord Crouse, Ward Taylor, Lyle Hanthorn, Eugene Hardy, Ward Uewick and I. Fay Horton.

Saginaw County Farmers Have Their Own Rotary Club

A. B. LOVE

Saginaw County Agricultural Agent

YOU hear of and read a lot about Rotary clubs and what they do to benefit mankind and the cities in which they are located, but did you know there was one in Saginaw county with a membership mostly of farmers? There is and it is known as the Farmers' Rotary Club of Chesaning. County Agricultural Agent A. B. Love, of Saginaw, tells you all about it and the great work it is doing in this article.

people per section. A county Hayspeak louder than words. Three years ago they entered in the keen competition of wall displays at the Saginaw County Fair. New and green at the game they took fourth place. Not discouraged, they last year moved up to the second place. Feeling their oats, this year the Farmers' Rotary Club of Chesaning took first place, a place eagerly sought for at the Saginaw County Fair, which leads all other fairs in Michigan in the quality of its wall decorations in the Agricultural Building as well as leading in many other lines.

Not content with this success the Farmers' Rotary Club takes the active management of the Chesaning Community Fair and Poultry Show, the annual three-day event, consist-

ing of farm lectures and farm product display.

For some, not apparent but strongly suspected, reason Chesaning township has had an exceptional development in the number of macadam roads since the Farmers' Rotary Club and the Chesaning Chamber of Commerce put their heads together.

These two organizations work together like a machine. Once a year they hold a joint banquet to review accomplishments and plan the future. Following these banquets, certain changes for civic betterment mysteriously appear at regular intervals.

Inquiry discloses that many farm Rotarians belong to the Chamber of Rotarians belong to the Chamber of Good seed and good farm practices are subject to discussion and action in monthly meetings. All members know which of their group are certified seed growers and from whom to get real stock.

All of this may be due to a few ideals based on these fundamentals: Regular meetings at each others home, plenty to eat each time, a program to bring knowledge of every phase of civic welfare, a desire to serve, and lots of the milk of human kindness.

Community spirit moves forward at a steady pace in Chesaning.

CHESANING community, city and rural, has been the big beneficiary of the Farmers' Rotary Club of Chesaning during its four years of existence. Organized originally by a few farm families as a medium of keeping themselves up-to-date on current farm problems, the projects with which the farm Rotarians have busied themselves have exerted a direct and powerful influence for good upon Chesaning and its surrounding territories.

Meeting once a month during the day in the winter and throughout the evening in the summer, the ideals of its founders of working along social, recreational, financial and political lines for their own benefit, have gradually developed into definite practical plans and principles that actually bring results to the 75 members' families.

No betterment movement for civic welfare in Chesaning today considers success possible without the endorsement and support of the Farmers' Rotary Club. With such endorsement comes action in the form of active committees to accomplish results.

Extension work of the county Agricultural Agent and Boys' and Girls' Club agent in Saginaw receives real support. The two-day poultry schools of last winter averaged 50

THRU OUR HOME FOLKS' KODAKS



JUMP IN AN' I'LL GIVE YOU A RIDE.—Don't you imagine that is what this youngster is saying? William Wernette, of Remus, Mecosta county, sent the picture.



SWEET CIDER! OH BOY!—Mrs. H. C. Trader, of Curran, Alcona county, who sent this picture to us, invites us to "Come on, and have a drink of sweet cider." To bad Mt. Clemens is so far from Curran or we would take up this invitation because, next to milk, sweet cider fresh from the press is our favorite drink.



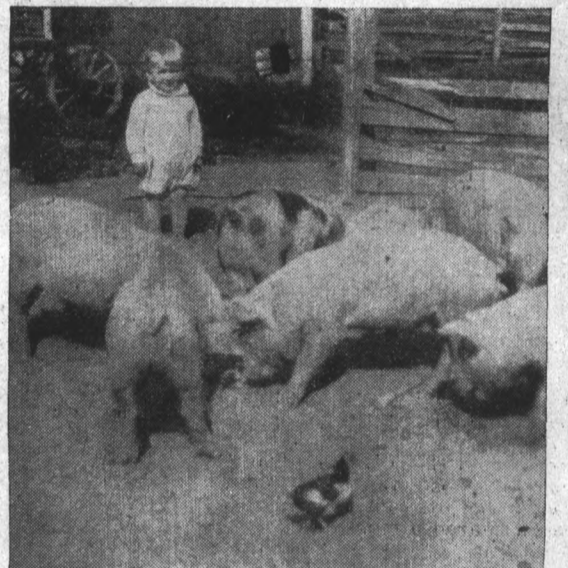
NOTHING LIKE MILK TO MAKE YOUNGSTERS HEALTHY.—"My niece, Beatrice Wiser, with her bottle and doll," writes Mrs. Clarence Husted, of Sumner, Gratiot county.



THREE PALS HAVING A GOOD TIME.—Virginia May Bramble is the one standing back of the gocart. At her right is her dog Carlo and at her left is her cousin Lawrence Woods, according to Mrs. Walter Bramble, of Marshall, Calhoun county.



HARVESTING THE CORN CROP.—Mrs. Ray Eagly, of Coleman, Midland county, sends this picture and advises that it is her husband and son getting ready to fill silo on their farm near Coleman.



MINDING THE PIGS FOR GRANDPA.—Bobbie Behrendt, the little grandson of Mr. and Mrs. N. C. Root, of Burt, in Saginaw county, enjoys being around the livestock on the farm. Apparently he intends to become a business farmer some day.



"LOOK OUT OR WE'LL RUN OVER YOU!"—Robert Ringler and his cousin Annabell Hoover going for a ride. The picture is from J. W. Hoover, of Chase, Lake county.



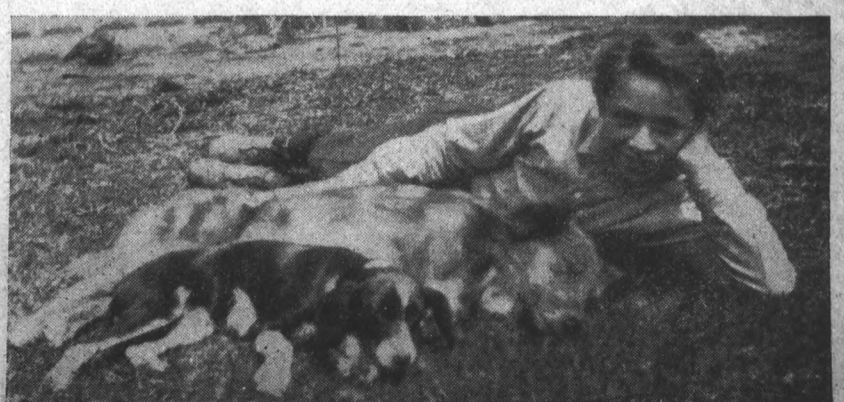
WHEN THE CITY GIRL AND BOY GET A HORSEBACK RIDE.—George Canfield, of Tustin, Osecola county, is giving his niece and nephew, Marion and Eugene Thompson, of Detroit, a ride on the back of one of his horses. "This might be called "The thrill that comes once in a lifetime," with apologies to Briggs.



HERE'S THE OUTFIT TO TAKE YOUR GIRL OUT RIDING WITH.—Mrs. Lena Drake, of Caro, Tuscola county, sends in this picture of J. D. Hanna with his goat, Nannie, ready to go for a ride.



HOW WOULD YOU LIKE THIS OUTFIT?—We will wager that Henry Ford would be surprised to know that he has anything to do with this, but he has. Henry Ford is drawing the cutter containing R. C. and Clark, sons of Geo. Washburn, of Ada, Kent county.



THE BOY WHO HAS NEVER KNOWN THE COMPANIONSHIP OF A DOG HAS MISSED SOMETHING IN LIFE.—In our estimation no boy's life is complete without that companionship. "Our son with his dogs," writes Mr. and Mrs. Fred L. Warnke, Coopersville, Ottawa county.



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Farmers Service Bureau

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

SOW SWEET CLOVER IN SPRING

Would it be all right to sow sweet clover in the fall and how should the ground be fitted? Some say to sow seed first, then plow as the seed should be planted deep.—A. S., Brant, Michigan.

MUCH better results come from planting sweet clover in early spring to shallow depth on a firmly prepared seed bed. Some years ago, before scarified sweet clover seed was available and particularly when unhulled seed was used, the practice of planting in the fall was quite general in order to permit winter action to soften the hard seed coats of sweet clover seed.

Now that hulled and scarified white blossom sweet clover seed is available, it is advisable to fit the ground by fall or early spring plowing followed by rolling or cultivating and planting from 12 to 15 pounds per acre of seed at a depth of one-half to three-fourths of an inch, rolling with roller or cultipacker after planting to be sure that seed bed is very firm.

To plow seed under results in most of it failing to ever produce a plant.

Culture for inoculation may be secured from the Department of Bacteriology. The price is twenty-five cents per bottle and each bottle contains sufficient material to inoculate a bushel of seed. Directions for application accompany the material.—J. F. Cox, Professor of Farm Crops, M. S. C.

OWNERSHIP OF STREAM

If I own a farm which a river is the line am I paying taxes on my share of the river and how much land does the government own from the center? If I have a creek running through my farm can I forbid anyone trespassing on the ground? Is it private or public? It runs from a lake to the river. Can I stop anyone from spearing fish in it in the spring or do I own the creek? It was dredged a few years ago.—W. C., Columbiaville, Mich.

YOU own the land to the middle of the stream subject to the right of the public to use it for navigation, provided the stream is a navigable stream. If the stream running through your place is not navigable, it is private property and you could forbid trespassing on it.—Legal Editor.

MILLET AS ENSILAGE

I have about eight acres of millet that I put in where the crows took my ensilage corn and now I have nothing for the silo unless I put the millet in the silo. Would it keep or could it not be packed tight enough?—C. H. B., Whittemore, Michigan.

THE highest quality ensilage is, of course, made from corn. It is possible, however, to make acceptable ensilage from millet and other hay or grain crops provided they are harvested at a stage when the stems carry plenty of moisture. Millet should be put in the silo before it is allowed to cure to the

point where fire fanning would result after it is packed in the silo. The millet should be packed down tightly and, if necessary, water added.

It will not give as satisfactory results as corn but will make a fair substitute.—J. F. Cox, Professor of Farm Crops, M. S. C.

BOTHERED WITH CHICKENS

P has a running forty acres across the road from F's place and F's chickens, geese and turkeys are always in P's crops and spoil one acre of grain each year, so P wants to know what he could do to keep them off his crops.—A Subscriber.

THE law provides for the recovery of damages for the trespass of another's animals on your land, but does not include chickens or other fowls. If the village or township where you live has no law to cover such cases, I am afraid you are without a remedy except to fence against them.—Legal Editor.

MUST HE PAY COMMISSION?

I have a house and lot for sale and a man spoke to me about buying it, but did not come forward, so I put it in a real estate agents hands to sell. Now the man says he is ready to buy it. The question is, can the real estate agent claim a percentage if I sell to the man? The agent has had nothing to do with the transaction.—C. S. B., Rochester, Michigan.

IF you gave the real estate agent the exclusive right to sell for a period of time, and you sold in the meantime, you would have to pay the agent his commission. However, if the agent does not have an exclusive listing, you would not have to pay his commission if he had nothing to do with the sale.—Legal Editor.

SELLING SALVE

Can I make salve and sell it to the public without a patent, or what is it necessary for me to do in order to sell it?—J. H., Farwell, Mich.

IT is not necessary to have a patent in order to manufacture or sell salve, however it is necessary for each and every person selling any toilet articles or medicines by going from house to house or place to place, selling at retail, to have a license under Act 85, Public Acts of 1923, the cost of which is \$25.00 per year.—V. H. Thoman, Secretary to Director, Michigan Board of Pharmacy.

BECOMING OF AGE

If a boy or a girl who is past sixteen years of age, leaves home can their parents force them to come back? Also at what age is a boy or girl their own boss?—B. M., Wilmot, Michigan.

A BOY becomes emancipated, or his own boss, at 21 years of age and a girl at 18 years, and the parents are entitled to their custody and control until that time. A girl under 18 must have her parents consent to get married.—Legal Editor.

WHERE OUR READERS LIVE

Haven't you a picture of your home or farm buildings that we can print under this heading? Show the other members of The Business Farmer's large family where you live. Kodak pictures are all right if the details show up well. Do not send us the negatives, just a good print.



ON THE JOHN MEYER FARM, NEAR GRANT
Home of John Meyer, near Grant, in Newaygo county. This was sent in by G. E. Meyer of the same address.

What the Neighbors Say

(We are always pleased to receive letters from our subscribers and gladly publish those on subjects of general interest. If you agree or do not agree with what is written and published in this department write your views and send them in. The editor is sole judge as to whether letters are suitable for publication or not.)

OPEN ROADSIDE DITCHES

DEAR EDITOR:—I very much wish the Editor who made the trip to Iowa would make a trip by automobile through Illinois and return by a different route; then write in THE BUSINESS FARMER what he found concerning the following: A dealer in real estate said to a farmer in this county, that he had spent two years in Illinois and in his business travels rarely saw an open roadside ditch. The occasion for this remark was an open roadside ditch about five feet deep in front of the farm home where he was calling. Not far from Almont, as read in the papers, a party in an automobile returning home for an extra wrap, were overturned in the ditch as they were entering the yard and the driver of the automobile was killed. This happening was not far from my home.

There are many Illinois people around here. Let one speak for them all. A market gardener less than two miles away, as reported to me by messenger, said about ditches, "The few open roadside ditches you find there are old. All made at the present time are covered." Asked which state he liked better, Michigan or Illinois, he replied "Illinois. But one cannot buy farm land there; it is too expensive; nor rent, as one must prove their ability to farm properly and give bonds to cover any possible default."

Near Mount Clemens lives a family having relatives in Illinois who visit them occasionally. The Illinois man owns two large farms and is credited with having said that, "When Michigan farmers get their roadside ditches covered, Michigan farm lands will then be worth two and three hundred dollars an acre, as Illinois land is now."

Near Mt. Clemens is a section of covered roadside ditch. Not only was it in the paper but friends of mine passed by when it was in the making; but it is the only one I know of in the Thumb.

One farmer from Illinois said to me that where he came away from there were both the open and covered roadside ditch but that he was for the covered time.

There are those who believe that we of Michigan might have covered roadside ditches with very little, if any additional expense, if appropriations made for roads, were rightly used.—Mrs. K., St. Clair County.

PRAISE WHERE PRAISE IS DUE HIS MOTTO

DEAR EDITOR:—Received my M. B. F., September 20th, issue, all O. K. and consider it somewhat better than usual and that's no "pipe" either. If we accomplish a certain piece of creation of any description, either for ourselves or the other fellow, we just like to have it appreciated and when a copartnership exists as it certainly does, between a publisher and his subscrib-

ers, his success depends entirely upon the paid-up members of his subscription list and the quality of such a publication depends upon the few or many of such subscribers, so I say this September 25th M. B. F. I consider just a little better than common. Why? 1st. The dependability of its general news. How do I know? Because it endorses facts and points I read in other publications—or disagree as the case may be, showing that the M. B. F. has a mind of its own and is ready to express it basing its preparedness on its knowledge of the facts of affairs.

Second, I rejoice in and admire the non-sectarian sermons as preached by Rev. D. F. Warner. Why? Because he has no fear of telling what I consider the truth, hit or miss as the case may be. Again I enjoy reading the story the M. B. F. is publishing because I know somewhat of such affairs. I imagine the picture is true to conditions.

The dry goods box orator told his audience that "Facts were stubborn things" then remarked one of his hearers, "My wife is a fact", and so I might continue to the finish of the chapter. To some people a tree is just a tree—nothing more. To others more, yes much more. So to some a newspaper is just a newspaper, to others a bond—a tie.

Here's to the M. B. F. long may she wave, as good as she is now or better.—C. A. Brush, St. Clair County.

BULLETIN SERVICE

The bulletins listed under this heading are free. If you desire a copy of one or more clip the list, check those you are interested in, and send to us with your name and address. Bulletins will be forwarded without charge of any kind.

Bulletin No. 1.—POULTRY RATIONS. A 168 page book devoted to the making and feeding of poultry flocks and baby chicks. Many interesting illustrations and formulae. Complete description of poultry feed manufacture and distribution.

Bulletin No. 2.—"HANDBOOK OF MODERN WATER SUPPLY." A valuable booklet of 32 pages, covering the whole subject of water supply to the farm home, giving sources, installation and type of pumps, a highly valuable book for anyone who is thinking of putting in or improving his water system.

Bulletin No. 3.—SOIL FERTILIZERS. Barnyard manure, Fertility in the air, lime, straw-spreading, top dressing, wood ashes and commercial fertilizers are all taken up in this valuable bulletin.

Bulletin No. 4.—SEED CORN CURING AND STORING. The selection of seed corn this fall is a very important problem and the information given by Prof. D. F. Rainey and Prof. F. E. Fogle of the M. S. C in this circular bulletin will prove a great help to you.

Bulletin No. 5.—THE GOSPEL OF GOOD FEEDING. This bulletin tells how to feed profitably according to practical experience and was prepared by the former editor of a dairy publication.

RADIO DEPARTMENT

EDITED BY JAMES W. H. WEIR, R. E.

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

The Business Farmer broadcasts daily, except Saturday and Sunday, through station WGHP, of Detroit, on a wave length of 270 meters.
6:40 to 6:50.....Farm School
7:05.....Markets and News

RADIO FANS CALL IT "FISHING"
TO the Editor: We bought and installed a radio last evening and we certainly enjoyed everything on your program. We could not get one Detroit station very plain. I don't know whether it was because my husband worked the dials so much and often in his zealous effort to get all stations or not, but I assured him both he and the radio could go outside unless he stopped.—Mrs. W. L., Macomb County.

COMMENTS

I enjoy many of your programs and your market reports.—F. W. F., Wash-tenaw County.

Your market reports come in fine every night. I am interested in them.—J. S., Wayne County.

We are getting your market reports and farm talks every night, and think them very interesting. Hope you will carry on the good work.—C. S., Saginaw County.

I wish to congratulate you on your splendid programs of late, also your eloquent and learned announcer because we surely do enjoy his announcing.—J. J., Wayne County.

I have a little radio which I made myself and I listen nearly every night to the market reports. I can get stations 1,000 miles away with my little one tube, single circuit, dry cell and head set radio.—H. L. H., Tuscola County.

Vigor



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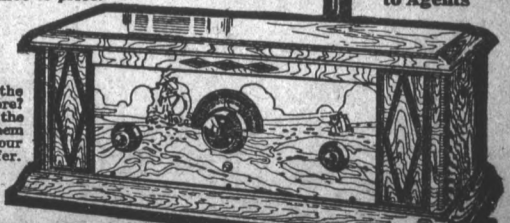
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Make big money spare or full time. Our easy selling plan makes experience unnecessary. We start you without money. Sample sent for 10 days trial and GIVEN FREE when you become a distributor.

Agents Wanted

WHEN WRITING TO ADVERTISERS PLEASE MENTION THE MICHIGAN BUSINESS FARMER

Broadscope Farm News and Views

Edited by L. W. MEEKS, Hillsdale County

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

Fence Posts
A QUESTION often asked, and one that I can not answer, is the practicability of cement or steel fence posts. We have never had either kind on our farm. We have used cedar, and white oak—more oak than any other as we have a small supply of white oak timber. This is not satisfactory in the least, and cedar is not much better. In building a new fence it pays to set a wood post with stones. We have 300 rods of so called high grade fence, erected seven years ago, and at that time help was so very scarce we couldn't dig a large hole for each post and fill



L. W. MEEKS

around with stone. More than half of these posts are rotted off, and they were good sized second growth white oak, too. Even the braces, the best we could obtain, are all rotted out. It is really a serious matter if a farmer has to rebuild his fences every seven years. Not only the posts are nearly all worthless at this time but the wire itself is often very rusty. I believe it would pay to treat wood posts with creosote, and we plan to treat some this next spring. It is somewhat of a task to get things arranged and all set for treating posts, and I have often wondered why our fence and post dealers do not put in a tank and heater to treat them with, and charge a reasonable amount extra for the treated post. I believe every farmer would be willing to pay considerable more for a creosoted post, and the cost would not be expensive if done with a suitable outfit. All the electric and telephone companies are creosoting their poles, and the railroads use it on all ties. This fact alone is good evidence that it makes the timber more resisting to decay. A few years ago there was much said about cement fence posts, but there were never very many used in this vicinity. How interesting it would be if some of our readers, who have used cement posts, would write and tell of them. If they have proven a success, tell how large they are, and how they were made. We are to construct forty rods of line fence in the spring, and shall use steel posts for this. I believe there are steel posts on the market now that may prove practical, and am willing to give them a trial.

It has been mentioned in these columns before, but I can not help speaking of it again—why not all fence manufacturers be compelled to place a tag on each roll of fence, stating the exact amount of galvanizing each pound of wire carries, and of what the galvanizing is composed. If it would cost more to put on a heavier coating of good galvanizing, charge more for the fence. Then let the farmer buy his fence with some degree of certainty as to what he is getting instead of the blind way he does now. All we can go by now, is the size of the wire. This doesn't seem to be the ideal way of buying fence. Why not go to the jewelry store for silver knives and forks, and judge the quality by simply looking at them and comparing size? No, you would look for the manufacturer's stamp, telling how many pennyweight of silver the plating consisted of, and if you wanted a high grade, you would expect to pay more for it than a cheap grade would cost. It costs just as much to erect a good fence as a poor one and I am sure that, when better fences are manufactured, with some guarantee that they really are better, farmers will pay the price.

Who will be the first to write us about his fence post experiences

either with steel, cement or wood posts?

A Historical Event

Present-day events are so numerous and come so fast, they often pass unnoticed, and yet some of them are so important they are making history. The event referred to here, is the completion on October 29, of a concrete highway between Detroit and Chicago. In the days of horse drawn vehicles this road was always called "The Chicago Pike" but with the advent of the automobile it is called "M-23." It is the most direct route between Detroit and Chicago and shorter than any other by nearly fifty miles. The stretch of about twenty-five miles through Hillsdale county was the last to be paved, because this has, for some time, been the best gravel road between the two cities, and naturally would be the last to be torn up and cemented. Owing to its many hills and curves it was a difficult road to pave. The twenty-five miles required something like four thousand car loads of material and was built by the State Highway Department using about 300 citizens of the Jackson Penitentiary as part of the labor. A little village, known as the Prison Camp, was made near the village of Jonesville, and quite a complete village it was—electric lighted, city water, and everything a modern camp would contain. Still there were a few of its inhabitants who preferred other habitations and made vain attempts to go in search for them. But the old Chicago Pike, Michigan's first main traveled road, surely does look nice in its new dress, although it does not conform to the ladies' idea of modern dress either, for fashion seems to dictate straight lines, and the dress of the old Pike is anything but straight, being almost a system of curves.

Many wonder at this, until the facts in the case are known, then they realize, and understand its curves, and also the way things are done by the government of today, and were done by the government of 1825. How hundreds of dollars were as thousands are now, and how thousands then, would be millions to play with today. But the story of the beloved old Pike is too long for this article and unless something unforeseen comes to fill this space in the next issue, the story of Michigan's first cross state road will be given. No, Broadscope Farm is not on this road, we are four miles south of it, and still we can see what might be called some of its traffic, for the Ford Airplane Service between Detroit and Chicago follows the old Pike pretty close, and every day we can see these planes, timed as regular as train schedules, flying either east or west. Of course they do not follow all the curves, but the general line of the Pike seems to be their path. Occasionally one gets as far south as our place, but quite seldom.

OUR BOOK REVIEW

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

Solving the Farm Riddle.—By Edward Jerome Dies, author of "The Wheat Pit". This is a book devoted to the history of cooperation in agriculture, telling of its failures and successes. It should be read by folks on both sides of the question. A cloth bound book, containing 147 pages, printed in large type, and selling for \$1.50. Pascal Covicli is the publisher.

Ship Model Making.—By Capt. E. Armittage McCann. This book explains how to make worth-while models of decorative ships. It contains ample description, illustrations and plans to enable the uninitiated to make an accurate model of a beautifully proportioned full-rigged ship. Published by Norman W. Henley Publishing Co. Retail at \$2.50.

Uncle Ab says that to get ahead a man must have a head.

FRUIT AND ORCHARD

—Edited by HERBERT NAFZIGER, Berrien County—

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

SOME RASPBERRY TROUBLES

"THE old gray mare, she ain't what she used to be". For that matter, neither is the old raspberry patch.

The raspberry patch has always been troubled with a few diseases but of late years it seems to have fallen heir to a number more. These troubles have raised raspberry growing from a haphazard sideline to a real business and a science, and the berry man must know his business if he would succeed.

A list of some of the more important troubles and a description of the symptoms and treatment might not be amiss. It may help some of our readers to recognize their raspberry troubles; thus enabling them to take the "stitch in time."

ANTHRACNOSE: This is a very troublesome disease of the black raspberry but is seldom serious with the red raspberry. Purple spots occur on the leaves and on the canes. The spots on the canes grow larger and become grayish in color with a purple border. The spots then run together giving the whole cane a blotchy, rough appearance. Often cracks appear in the blotches, running lengthwise of the canes. The whole plant is weakened and unproductive and many canes are killed. **TREATMENT:** When setting out a new patch do not leave the old stick above ground. This old stick, which is attached to the young plant, should be either cut off and destroyed or else covered with dirt and buried while planting. Anthracnose can be controlled by spraying. M. S. C. recommends a schedule as follows.

1. When buds show green use liquid lime-sulphur, 10 gallons in 100. 2. About one week before blossoming, use bordeaux 4-8-100.

ORANGE CRUST: This disease, which affects blackcaps, causes the plants to become stunted, and the under sides of the leaves acquire a bright orange color. **TREATMENT:** Prevent the spread of the disease by digging out and destroying all rusty plants.

CANE-BLIGHT: This affects both the reds and the blacks. Canes will suddenly wilt and die, here and there in the patch. Sometimes one or more branches on a cane will be wilted. Often a cane is affected on one side only and becomes very brittle and is easily snapped off. **TREATMENT:** Cut out and burn the old and diseased canes soon after harvest and cut out dead canes again in the spring.

CROWN GALL: When this disease is present knotty balls or warts are found on the roots or on the crown, and the plants are greatly weakened. **TREATMENT:** Plant only clean, disease-free plants and dig up diseased plants when found in the patch.

CANE-BORER: This is an insect which injures both the blacks and the reds. The old beetle makes two girdles close together and about six inches from the tip of a young shoot. It then lays an egg in the cane between the girdles. The girdling

naturally causes the tip to wilt. The borer, or grub, then hatches out, bores downward a short distance in the cane and stays there all winter. The next summer it continues its burrow down the center of the cane and kills the cane. By fall it reaches the bottom of the cane and winters in the ground. It then makes its cocoon and is again transformed into a beetle. **TREATMENT:** If any of the young shoots show wilted tips during the summer, these should be cut off below the girdle and destroyed. After harvest the old canes should be immediately cut out close to the ground and burned.

RED SPIDER: In some parts of the state the red raspberry growers have been greatly bothered by this tiny louse-like insect which sucks the juice from the under side of the leaves and protects itself with a mass of fine silky webs. The insect causes the leaves to turn yellow and greatly reduces the crop. **TREATMENT:** Dusting with fine powdered sulphur has been recommended for this pest.

GRAFTING

Please tell me how to make grafting wax and also how to select the graft. I have a pear tree twelve years old and it bore fruit last year for the first time and the fruit was small about the size of plums and so bitter that you could not eat them. Could you tell me how to improve it?—J. B. B., LeRoy, Michigan.

A GOOD formula for grafting wax is 4 pounds rosin, 2 pounds of beeswax, and a pound of tallow. Cut the tallow and beeswax into small pieces, pulverize the rosin and melt the mixture together over a fire or on the stove. As soon as it is all melted pour the mixture into a pail of cold water. Grease your hands and pull wax same as you would taffy candy and when it has turned light colored it is ready for use.

Select your cions while the trees are dormant. Use mature healthy wood of the last year's growth. The cions must be dormant when you do your grafting. They can be kept dormant by burying them in the ground or keeping in a cool place.

If your pear tree is bearing undesirable fruit we would suggest that you graft it to a better variety. When you graft the tree do not cut off all of the old branches the first year. Some of these must be left to bring up sap and protect graft.

FAIL TO BEAR

Can you please tell me what to do for plum trees? As we have some trees which are about twelve years old and every spring they blossom very full but never have any plums on them.—Mrs. A. C., Blanchard, Michigan.

IF your plum trees are all of one variety they may need another variety near to act as a pollenizer. This can be done by planting another variety nearby, or by grafting a branch of each tree to another variety. The trees may also need a little feeding. Underfed trees often fail to set fruit. Annual late fall applications of manure or early spring applications of nitrate of soda will take care of the feeding problem. If nitrate is used it should be applied under the outer branches about two or three weeks before blossoming time, using 3 or 4 pounds for each of the twelve year old trees.



Herbert Nafziger



SEVERAL THANKSGIVING DINNERS

Around Thanksgiving time the turkey is king, but who wants to be a king if he is to lose not only his crown but his head as well. The turkeys are owned by Mrs. T. A. Zerby, of Petoskey, Emmett county.

WOMAN AND THE MCCORMICK-DEERING PRIMROSE

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TWO PIECE **UNION SUITS**

WHEN WRITING TO ADVERTISERS PLEASE MENTION THE MICHIGAN BUSINESS FARMER

HARRIET ABAGAIL McCREERY was born on March 14th 1844, in a little log shanty twelve miles from Chatham, in Ontario. She was the second child in a family of nine children.



Lavinia Heminger

Her parent's names were Sarah and Finneas Culver McCreery, of Scotch and English descent.

Although Harriet's parents were poor it was a very happy family that gathered around the blazing fireplace during the long cold winter months for they were Christians.

They did not have the many conveniences of today. But they had what was far better and that was a cheery, hopeful disposition. Hadn't God promised them in His Holy Book that He would never leave them or forsake them and that not even a sparrow would die but He would know it, and so He helped to provide for this family.

Their Cooking Plant

They had no stove to cook or warm by but they had a lovely big fireplace six or eight feet wide and four feet deep, built of stones and mud, made by themselves. The hole in front was about three and a half feet high and across it about six inches below the top was an iron bar, called a crane, suspended, being embedded in the stones and mud on the sides. On this crane was fastened three or four chains, which reached down to within one foot of the floor. There were hooks on the lower ends and to these were fastened the kettles and teakettle when cooking was in progress.

When they wished to do any baking a deep iron skillet or bake oven, which had three legs, four inches in length, an iron handle like one on a fryingpan, and an iron cover, was used. The cover had a high upstanding iron ring in its center through which to put a hook when it had to be lifted on and off the oven, when baking. It also had an upstanding rim four inches high around its outer edge, to keep the coals of the fire from rolling off. In order to gake the good housewife first set the oven on some out-drawn red hot coals of fire while she mixed up the corn-bread or sour-dough biscuits. These were put in the small bake-oven, the cover put on, and then the whole thing was set on a fresh batch of red hot coals while the lid was also covered. If the oven had been sufficiently warmed and the coals were fresh the contents were usually baked a golden brown in about fifteen minutes. Nothing that we have today, baked in our modern stoves can compare with the delicate flavor that came from these bake ovens. If they wanted to have baked beans for breakfast the boiled beans were put in the oven at night, deeply embedded in a bed of live coals and then covered with ashes, two inches deep. In the morning these beans would come forth pipping hot and of a rich brown in color.

These fireplaces not only served as a stove to cook and warm by but they provided light during the evenings for the father to read his Bible, the children to play, and the mother to sew, knit, weave, or spin.

How Clothes Were Made

From the sheep the wool was gathered, by the men, then the women washed, carded, and spun it. After which it was either knit into warm stockings and mittens, or woven into cloth and later made into warm garments.

The only lamp this family had was a saucer of grease into which one end of a small strip of cloth was laid while the other end of the cloth was lit. Or else, when the good man had the good fortune to kill a fat deer, bear, woodchuck, or skunk, the fat was used to make home-made candles. The wick being a small strip of rolled cloth. There were no matches in those days but a few red hot coals were always kept in the fireplace. If the fire should go out then it was relit by the use of a flintstone and jackknife, being struck rapidly together, or else, one of the family went and borrowed fire from a neighbor's fireplace. Neighbors were few and far between. And from their habit of getting coals from each



PIONEERING IN MICHIGAN

By LAVINIA HEMINGER



other comes the old saying we have today, when some one comes in and says they can't stop for they are in a hurry, someone often asks them in a joke, "Have you come to borrow fire?"

A New Home

When Harriet was about six years old her parents moved, with horses and wagon, to Bunker Hill in Michigan, crossing the Detroit River on an open ferry. Here they purchased their first cook stove which was a great wonder not only to the children but to their parents as well.

In those days the poor people had no cows or pigs. They went without milk, cream, and butter, while their meat and gravy were provided by the wild game they killed. The woods

by one of their uncles to a homestead of 80 acres, situated between Merrill and Wheeler in Gratiot county. It lay on the southwest side of the four corners three miles west of Merrill and was covered with tall hemlocks.

They had two neighbors, a family by the name of Wheeler three and a half miles west of them and for whom the town of Wheeler was named, and a family one mile east of them named Orvice.

After Harriet was married and before coming on the homestead she clerked in a small store and bought herself a lamp. When her parents saw it they also bought themselves one.

Mr. and Mrs. McNeil lived on this

THIS story of early pioneer days won first prize in our recent contest.

It deals with the experiences of William and Harriet McNeil and was written by their youngest child, Mrs. Lavinia Heminger, of Cedar Springs. Mrs. Heminger wrote the story as told to her by her mother who, although 82 years old, has the active mind of a person 30. We know that you will read this true story with extreme interest.

being full of bear, deer, rabbits, woodchucks, coons and porcupines, while the streams abounded with fish.

Snakes

Snakes were very thick at Bunker Hill. One day a man was out chopping in the underbrush and after a while he kept hearing a rattlesnake rattle. He looked all around but no snake could he see. As it kept on rattling he moved a few rods away but still the snake rattled, and it seemed to keep the same distance from him as it had at first. The man thought it was very queer as a rattlesnake never chases anyone and it always strikes after giving its first rattle. Chancing to glance down towards his knee the man was horrified to see part of the rattler's body in under a large patch on the side and knee of his home-made bag pants.

At another time Harriet and her brother John were hoeing corn in a patch of woods a mile from home when a large black racer took after them and chased them to their house. When it would get almost near enough to them to strike, the children would turn on it with their hoes and frighten it back for a ways, while they hurried on towards home. When they reached there and rushed in the door, the snake stopped at the threshold and was killed by the children's mother. It was fully six feet long.

A Marriage and Homesteading

When Harriet was 21 years old, she married a young man of the same age and nationality of herself, named William McNeil. He was born in Canada, but at this time lived near Ionia.

Late in the fall they were moved

homestead for about a year and a half and suffered many hardships while there. Their nearest town was Saginaw which was thirty miles away and the road was a mere path through the tangled forest. As the young couple had no money and there was no way to earn a living on the uncleared homestead Mr. McNeil went to work in a saw mill at Saginaw. Leaving his bride alone. Once in two weeks on Saturday nights, he walked the thirty miles home carrying on his back twenty-five pounds of cornmeal, or whatever was needed, and returning to his work on Sunday.

Very lonely was the young bride, her only companions the birds and wild animals. There was no river near where she could fish but she set little homemade traps and caught a few squirrels and rabbits to eke out her scanty living.

During the day the bears and deer roamed freely around her one room log shanty and during the nights the wolves made the silence hideous with their howls. Sometimes the bears and wolves would come to the shanty and peer through the cracks. The Indians also roamed through there occasionally.

One night about eleven o'clock, when Mrs. McNeil was alone there came a rap and a loud halloo at her door, which roused her up from a sound sleep. When she asked who it was and what they wanted they replied, "We are a gang of road men. We want our supper and a bed for the night." When she told them she was alone and could not keep them, and advised them to go on to Mr. Orvices, they said they would, but would she first give them a drink of water.

MEET DEAN KRUEGER, OF M. S. C., FOLKS



Jean Krueger

PERHAPS many of you folks who have been following this series of biographies of Michigan State College professors think that it is only the men folks that count. If you do you are all wrong because there are several very important positions in that institution held by women, and we are publishing a picture of one in this issue to prove it.

Jean Krueger is Dean of Home Economics at the College. Like most true women she refused to tell us when she was born but did advise that she received her degree of Ph. B. from the University of Chicago in 1908. The next three years she spent teaching home economics in the Indianapolis elementary schools. From there she went to Tacoma, Washington, where she taught this subject in the high school for one year. Her next position was in the state normal school at San Diego, California, and she remained there from 1912 to 1915. Director of department of home economics in the polytechnic high school and instructor in the University of California took up her attention for the next year. From 1916 to 1917 was spent in study at the University of Wisconsin and she received her M. S. degree from that institute. Following her graduation she became associate professor of home economics at the University of Wisconsin and remained there until 1923 when she came to Michigan as Dean of Home Economics.

She at once arose and dressed. Then taking the pail of water and a dipper in one hand she flung open the door with the other and gave them a drink, after which they thanked her kindly and departed.

They Leave the Homestead

After staying on the homestead for about a year and a half they grew discouraged. The woods were full of catholes and swamps and the only water they had to drink was swamp water made bitter by hemlock needles.

So, they left there and moved 15 miles north of there over on the flats of Pine River. It was in Midland county and about 11 miles from the city of Midland. Pine River was a very pretty stream, its waters were crystal clear when quiet, but when there was a flood on, it became a raging torrent that swept every thing before it. When it was quiet it was about four rods wide from two to four feet deep except in the holes and washouts, there it ranged from five to twenty feet deep. There was a dam at St. Louis, and another one a mile below the McNeil farm called the Mose Hackett dam. Between these two dams they generally kept the water in Pine River low and nearly stagnant or else it was overflowing its banks and running like a mill race.

Drowned Out

The river came up unusually high one night. Along about midnight they were awakened by the sound of heavy rain falling on the house and the gentle swish of water as it surged back and forth by the side of their bed. Reaching out their hands they plunged into cold water. Horrified, they sprang up and discovered the house was filling fast, and they climbed up into the loft. This loft had a window hole in it. Raising the board which covered it they watched until morning came, and a neighbor came in his boat and took them to higher land. They then moved up the river about a mile in a lumberman's shanty which was built on a high embankment overlooking the river. They bought 160 acres at this place for which they ran in debt \$400.

Here Mr. McNeil started lumbering and here also were seven children born to them, four boys and three girls. Their names were Adelbert, Charlie, George, Orion, Alillian, Cora and Lavinia.

This 160 acres was what was called a cutover. That is, its best timber had been cut and hauled off years before, and the young timber that was left had grown up into a tangled forest. Wild animals in droves run through the woods, while the river was filled with lots of fish. The largest fish they had any record of catching was caught by a man from St. Louis and it was a sturgeon, it weighed 125 lbs, and when it lay with its nose against the front end of a wagon box its tail stuck up over and beyond the back end of the box.

Lumbering

Mr. McNeil was very fond of lumbering and sometimes his wife done all of the cooking for his large crews of lumber jacks and sometimes their two boys, George and Orion done the work.

The lumber men or shanty boys as they were sometimes called, would cut down trees all winter and haul them to the high river banks, then when the flood came in the spring the men with canthooks and peevies would start the logs at the bottom of the long jamway down the steep banks. Instantly, the air would be filled with a loud roar as thousands of logs broke loose and went rolling and tumbling down into the swirling dirty yellow waters below. The logs were then gathered together and fastened into rafts with iron dogs. Then with a wanagan, which is a cook house on a floating raft, the men would ride the logs and take them down the river to different mills where they were sold. Most of the logs that went into Pine River were floated down into Saginaw, but a few stopped in Midland. (Continued in December 4th issue)

A Reason

Old Timer: "I once knew a man who stayed home with his wife every night for thirty years."

Old Timer's Wife: "Ah, that was true love!"

Old Timer: "Oh, no, it wasn't; that was paralysis."

All calves should be fed regularly, with equal intervals between feeds.



The Will to Be Thankful

A NON-SECTARIAN SERMON BY

Rev. David T. Warner

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

TEXT: "I will offer to thee sacrifices of Thanksgiving." Ps. 116:17.

THE writer appeared on the scene a few minutes after the wreck. A mother, with her baby in her arms, had been thrown into the windshield and both had received severe bruises and scratches. But that was all and she had a will to be thankful that it was no worse. This thankful mood is a distinguishing characteristic of the folks that practice the presence of God.

"I will offer to thee sacrifices of thanksgiving." But the whole psalm is full of this soul compulsion. "I will walk before Jehovah." "I will pay my vows unto Jehovah." This mood is constant and confident in the psalmist's mind. His soul is swelling with emotions of gratitude to his God. Some unusual experience has driven him to say, "I will call upon the name of the Lord as long as I live." What was it? It was some experience in peril out of which he had been delivered. "I was brought low and he saved me." He says, "The cords of death compassed me," but leaves out the details to hurry on to tell "Jehovah has delivered my soul from death." This not only reveals the fatherly character of God as we understand it in Christ, but that in that distant past there were also such understanding souls.

Always, the way we understand God makes a difference. Of course, it does not change the character of God, but it has everything to do with our character and moods. Pity the man who loses his faith in a personal and present Heavenly Father and rests all upon a mechanistic God. He can never be thankful for loving care and daily deliverances, for every day of his life and every mood and action have been arbitrarily fixed. He talks about free choices, and yet he is not consistent for he holds that his every act is the result of certain physical and mechanical stimuli which are in him and around him. This he calls God. How impersonal and unethical! You see, we are not to be too hard on neighbor Jones if he lowers the bars and turns his cows into our growing corn, for he just could not help it. His actions were determined by forces over which he had no control. And when Mrs. Jones throws on her shawl and runs in to tongue-lash her neighbor, you must reckon her a child of a determinist god and—well, she just could not do otherwise at the time. How strange to pious souls! Let us leave this doctrine to our brainy friends while we sun our souls in the True Presence who leads us not into temptation and delivers us from evil.

The will to be thankful rests upon a God-minded mood. Our minds must be God-focused. The heart must be provoked to believe. This is not easy in many circumstances in life. The other day a neighbor cursed God because of the kind of weather we were having. He said that he did not care anymore and he wished everything would rot. No, you did not do that; but, really, didn't you wonder why God was so unkind and so indifferent to the welfare of his children when the cyclone destroyed your barn, or the hail shattered your growing crops, or the rains interfered with your farming operations? Well, Jesus who had the mind of God and trusted God, becomes our wholesome pattern. While some of us see in nature the cruelty of God, Jesus sees the evidence of God's care and love. He sees the sun shining and the rain falling upon the unjust as well as the just, and this to him indicates that our God is perfect and bathes all his children in light and mercy. Let us be thankful for such a God and go to church next Sunday and join in the singing, "Simply trusting every day, Trusting thru a stormy way."

Moved by the mercies of God, the psalmist had a will to be thankful. The will is central in the volitions of the soul. One's will has much to do with pleasure or pain, joy or sorrow, prosperity or adversity, and belief or unbelief. "Who say ye that I am,"

said Jesus to Peter. The Master had been companionship with his disciples long enough for them to gather evidences of his God-hood. They were given adequate opportunity to know of the mercies and super-qualities of the Galilean which made his manhood distinctive and different from all others. But will they confess it? The decision must be made and so the question is asked. Clearly, the ideas and conclusions of our minds have a rational influence on our mode of living. We CAN recognize the goodness of God in nature, history, and revelation; but WILL we? Peter's gift of faith came from heaven and he willed to express it and make it bear fruit. Just so, thankful-mindedness comes from God. It is a heavenly plant and should come to fruitage. As there is a will to faith, a will to peace, a will to sobriety; so there is a will to be thankful.

"In everything give thanks for this is the will of God in Christ Jesus to you-ward." The apostle had found in Christ the hidden secret of how to conform his will to the will of God. It was a pearl of so great a price that he sacrificed all else and prayed without ceasing that he might keep the treasure. This gave him inner control. Here was a man who, long before Francis of Assisi, decided to follow literally the counsels of Jesus and take upon himself the inheritance of poverty and the wounds of his Lord. Ghandi, in our day has revived this devotion to a life of chastity and simplicity. Paul taught that "having food and raiment, we shall be therewith content; for we brought nothing into this world, for neither can we carry anything out."

Now, food and covering and all physical blessings we are to give daily thanks for. And, it is observed that the "I thank thee" spirit most often has its source in pleasing and satisfying surroundings. But suppose this source dries up temporarily, what becomes of the stream of thankfulness? Does it dry up too? This is why the always thankful mind has its source in communion with God. It is a stream of gratitude that gushes constantly from exhaustless wells of water. This is not to say that the average Christian is always thankful. He is not. But in the spirit of humility and prayer he can attain to the will to be thankful and hold to it as a vital element in his experience. Rare souls have reached this closeness with God and we have thrown a halo of sainthood about them. But this distinction is shut up against none.

BIBLE THOUGHTS

THEY THAT WAIT upon the Lord shall renew their strength; they shall mount up with wings as eagles; they shall run, and not be weary; and they shall walk, and not be faint.—Isaiah 40:31.

LET US REASON TOGETHER, SAITH THE LORD; THOUGH YOUR SINS BE AS SCARLET, THEY SHALL BE AS WHITE AS SNOW.—Isa. 1-18.

FEAR THE LORD, AND SERVE HIM IN TRUTH WITH ALL YOUR HEART: FOR CONSIDER HOW GREAT THINGS HE HATH DONE FOR YOU.—1 Smuel 12:24.

THERE IS NO FEAR IN LOVE; but perfect love casteth out fear; because fear hath torment. He that feareth is not made perfect in love.—John 4:18.

WITHHOLD NOT THOU THY TENDER MERCIES FROM ME, O LORD: LET THY LOVINGKINDNESS AND THY TRUTH CONTINUALLY PRESERVE ME.—Psl. 40: 11.

THY SUN shall no more go down; neither shall thy noon withdraw itself: for the Lord shall be thine everlasting light, and the days of thy mourning shall be ended.—Isaiah 60:20.

"Less trouble, time + labor -
No risk of Fire, and Better Meat!"



"Our meat cured with Old Hickory Smoked Salt is the best we ever tasted. Smoke-house cured meat is not to be compared with it in any way. From now on we'll use the old smoke-house for something else and have better meat, less trouble and save time and labor and run no risk of fire from the smoke-house." — C. B. Riggs, Lawrence, Kansas.

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The Michigan BUSINESS FARMER

SATURDAY, NOVEMBER 20, 1926

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Mt. Clemens, Michigan

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Advertising Rates: 50c per agate line. 14 lines to the column inch. 772 lines to the page. Flat rates.
Live Stock and Auction Sale Advertising: We offer special low rates to reputable breeders of live stock and poultry; write us.

RELIABLE ADVERTISERS

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

"The Farm Paper of Service"

THE CORN BORER AND THE 1927 CROP

LAST week we had a letter from an Ingham county subscriber regarding the European corn borer and the 1927 corn crop. He wanted to know if corn should be planted in the quarantined area this coming year.

There is little question but what the borer will do more damage in 1927 than it did this year, and the infested area will be larger, but there is no reason why corn should be omitted from the farm program at present. However, it would be considered good business to not plant a larger acreage than one can clean up. Grow less corn but grow it more carefully, is the advise of Prof. R. H. Pettit, of the Michigan State College.

"The importance of scrupulously clean farming and the destruction of briars, weeds, brush and everything else that can harbor larvae, cannot be over-emphasized," he declares. "If a farm can be completely cleaned and then the fields fall plowed so that nothing would remain to shelter the larvae which comes up to the surface after being plowed under, then a very great deal would be accomplished and I am inclined to think that the problem would be solved. However, it takes time to convince farmers of the necessity of adopting such practices and it seems like a good deal to hope that such treatment could be brought about suddenly and all in one season. The farms themselves must be brought into such a condition that a real effective clean-up can be accomplished.

"Therefore, why would it not be good policy to decide to grow corn, but to grow only so much as could be effectively and scrupulously cleaned up with our present facilities, until more machinery and perhaps even better machinery is available."

EAT MICHIGAN APPLES

"While attending the Lake Forrest vs. M. S. C. football game at East Lansing we noticed that the girls were selling western box apples. Many remarked about it. An agricultural college that permits this should have it brought to their attention by more than just a mere farmer."—Several Growers From Almont.

THIS communication came into our office last week, and we want to tell these folks that we are pleased to call this to the attention of the College, but we believe that the farmers have themselves to blame more than anyone else.

Our Almont friends have the wrong idea entirely when they write that it should be brought to the attention of the College by more than a "mere farmer". Just who is a "mere farmer"? Isn't he the man who raises the product to be sold? In this case we think the "mere farmer" is the fruit grower of Michigan who produces apples that will compare favorably with any grown, we care not where, but that is as far as he goes. He doesn't put forth much of an effort to get a good market for them, except in a few places, and he fails completely to educate the public to eat his apples. He lets the "mere farmer" from the West come in here through advertisements in national publications and tell his public what wonderful fruit is grown in the West, and his market is taken right from under his nose by a competitor living and producing his fruit hundreds of miles away.

We sincerely hope that those who have charge of this work at the M. S. C. tried to get Michigan apples to sell at their football game, and it is quite possible that they did but could not get as large a quantity as they needed that was properly graded, and get delivery at the time they desired.

The growers of Washington recently organized under the name of Pacific Northwest Boxed Apples, Inc., and in the immediate future a five-year advertising campaign for the nation's apples will be launched. Already several western growers' organizations are after this business and this is just another competitor for Michigan fruit growers to buck up against, not only in other states but right here at their own front door.

Forest rangers many times put out fires that threatens to do great damage by getting ahead of the blaze and setting a fire which will burn to meet the oncoming fire and they keep under control the one side of the set fire. When the fires meet there is nothing more to burn so they finally die out. Fighting fire with fire they call it. Michigan fruit growers are going to have to fight fire with fire by spending money on advertising to even hold their present market against the propaganda of the western growers.

The fact that western box apples were sold at this football game should cause Michigan fruit growers to open their eyes, and if the "mere farmers" will lift their voices and demand assistance from their agricultural college we feel sure they will not have to wait long for it. Those in charge at the College do not feel it their duty to try to force anything on the farmers but if they ask that something be done along a certain line that comes within their fields they are ready to cooperate and lend their assistance wherever needed.

This is the day of advertising. You may grow the finest fruit in the world but your market will be limited to a certain area unless you advertise and then the field will be without boundary.

Michigan growers, what are you going to do?

THANKSGIVING

ANOTHER harvest is practically over, and it is but a matter of hours before winter will be officially ushered in. Perhaps the harvest has not been of the best, perhaps the weather ruined part of your crops, or the prices you received were not to your liking. There are many things that might happen to prevent this year which is fast drawing to a close from being a

THE POULTRY THIEF MUST GO!

ONE Thousand Dollars in rewards of \$50 each is hereby offered by The Michigan Business Farmer for the arrest and successful prosecution of poultry thieves. These rewards will be paid on the following basis:

1. For information or arrest leading to the conviction of any thief or thieves of chickens, ducks, geese, turkeys or guinea fowl, from the premises of a member of The Michigan Business Farmer Service and Protective Bureau, living in Michigan whose subscription to The Michigan Business Farmer is paid-in-advance at the time of the robbery.

2. The sheriff must be notified as soon as possible after the robbery is discovered, and full details of the theft must be mailed to The Michigan Business Farmer within three days after its occurrence.

3. The amount of the reward in each case shall be Fifty Dollars (\$50) and shall be paid only upon the undisputed conviction and sentence of the offender.

4. Only one reward will be paid in each case.

5. The reward in each case will be paid to the one who is principally responsible for the arrest and conviction of the law violator. This includes State and County police officers. In case of dispute as to who is entitled to the reward, the county prosecuting attorney shall make the decision.

6. The Michigan Business Farmer must be notified in advance of the date of the trial of the accused.

7. This offer is limited to the payment of twenty rewards of Fifty Dollars (\$50) each, One Thousand Dollars (\$1,000) total reward.

8. This offer applies to crimes committed after September 25th, 1926, and continues in effect until notice is published in The Michigan Business Farmer to the contrary.

complete financial success but dollars and cents are not everything. You might have millions of dollars—yes, even all the money in the world—but it would not buy the love of a little child or win the true friendship of even a cur dog.

The wealthiest folks in this world are the ones who have health, a happy family with enough to eat and clothes to wear, and enjoy the respect of their neighbors.

All of us have many blessings we would not trade for money, and as we gather around the table on Thanksgiving Day we should take the time to offer special thanks to the good Lord for His kindness in the past and ask that He continue to watch over us in the future.

HOG CHOLERA SERUM SHORTAGE

THERE has been many serious out-breaks of hog cholera this year, not only in Michigan but many other states, which has caused a heavy demand on the government for serum. This demand coming rather unexpected caused a shortage of the serum and we have had many inquiries as to why the government could not be prepared for such emergencies. There has been a general tendency to blame the laboratories.

Now let us see what the real situation is. All producers of serum and viruses operate under federal license and supervision, which is the correct policy and one that works for the protection of the public. A serum is a perishable product, it loses its power in a comparatively short time, so the government has ruled that it is not to be sold after it has attained a certain age. Because of this a laboratory making serum will try to keep production down to consumption so it will not suffer a continuous loss. A period of eight weeks is required to produce serum, so the supply cannot be increased at once to meet a sudden emergency. Until a few weeks ago the demand for serum did not justify the laboratories in producing large quantities, and they were unable to foresee this sudden expansion in the need of it.

Reports indicate that, after a few years of little or no loss from disease, many hog raisers took a chance this year and did not immune their pigs. That swelled the demand when cholera appeared, and it likewise caused much loss that might have been avoided. Hog raisers must adopt the policy of protecting their pigs every year, and follow it just as regularly as their feeding and other policies, or periods of serum shortage and loss of pigs will continue.

BEATING THE TON LITTER

WHEN the ton litter idea first got under way way a litter of pigs weighing 2,000 pounds was something to talk about, but the winner of Michigan's latest contest, which closes shortly after this is written, will weigh better than a ton and a half. Fourteen grade Poland Chinas, owned by A. C. Londenburger, of Albion, lead.

Last year in Illinois there was a litter of 16 pigs that weighed 4,789 pounds at the end of the six months period. This year in Indiana a litter of 17 weighed 4,925 pounds and an Illinois breeder beat that with a litter of the same number weighing 5,117 pounds.

How long before we have a three-ton litter?

MICHIGAN'S CHAMPION CORN CUTTER

WE would like to know who is Michigan's champion corn cutter? The most likely prospect to qualify that we have heard of so far is N. A. Vinton, who is 77 years old and lives near Sparta. In 17 days of 9 hours each this fall he cut and shocked 32 acres of corn on the farm of Frank Ebers, Ballards Corners. When he finished there were 1,502 large shocks in the field. Using the old fashioned method of tying four hills together to get a start he cut eight rows wide and about the same distance the other way of drilled corn. Last year he cut more than 1,600 shocks.

If any of our folks can beat that we wish they would write in and send their picture.

PETER PLOW'S PHILOSOPHY

"Give me the man who does his duty because he enjoys it and not because he does it to get more money," said an advertiser in a city newspaper I wuz readin' the other day. There's a lot o' good hoss sense in that, and I want to suggest that the sweatin' sons of the sod be given serious consideration if any medals are to be handed out by this feller.

COMING EVENTS

November 27-December 4.—International Live Stock Exposition, Union Stock Yards, Chicago, Illinois.

November 30-December 3.—Convention of American Pomological and Michigan State Horticultural Societies, Grand Rapids, Mich.

December 14-18.—Holland Poultry Show, Holland, Michigan.

January 31-February 4, 1927.—Farmers' Week, Michigan State College, East Lansing, Mich.

THE PUBLISHER'S DESK

(We are always glad to do all we can to protect our subscribers from fraudulent deals or unfair treatment from concerns at a distance. We advise on stocks and bonds, and investigate different concerns for our subscribers. This service, including a personal letter, is free when subscription is paid in advance.)

WARNING TO FARM PUBLIC

THERE is a gang of swindlers going around buying chickens, veal calves, and hogs, and in fact, anything they can get. They pay with a check and in about ten days or so the farmer finds out the check is worthless and he is out whatever he sold and also has to pay the bank for their trouble. He gives his name as George C. Brown, 1955 Forest Road, Detroit, Michigan. He drives a Master Buick Coach. He is about five feet, seven inches tall, smoothly shaved and has kind of blond hair. He has also four or five other men with him and one has red hair. They have also a nice up-to-date steel Ford truck. Should anyone see or come in contact with him the best thing to do is to call for the sheriff and hold him until his arrival or tell him you cull out your hens in the evening and by that time the sheriff is easily notified and has a chance to get him. They may go under different names but whenever you sell anything take nothing but cash for it. While I have not been bit by him myself the whole neighborhood has been swindled and had to make good their checks. This should be warning to all farmers no matter where located. The little finger on his right hand is crippled and he cannot straighten it out. He is a smooth talker.—J. F., Allegan, Mich.

POST OFFICES CLOSES THEM UP

I answered two ads a few days ago of companies that would furnish home work to anyone wishing to work spare time in the home. These companies agree to furnish all material for the work of clipping newspapers and mailing cards at home, but they ask \$1.00 to cover expenses. They claim they must have that amount to assure them that I am in earnest and want to work. In read-M. B. F. I saw where you find out for your readers all about such companies. They are the Society Press, of Kansas City, Kansas, and the Madison Square Service, Chicago, Ill.—Mrs. R., Davison, Mich.

WE wrote a letter to each of these companies to get information about their proposition, which we surmised was the same thing that we have constantly advised our readers against, and did not receive a reply to either one. Continuing our investigation along other lines we learned that the post office department had issued a fraud order against the Madison Square Service

these concerns. Possibly you have had some experience with them.

They advertised a "home-work" scheme through classified columns of out of town newspapers which sold for one dollar.

Anyone who sent in their dollar received several stamped envelopes and a booklet giving instructions to clip various items about individuals in the newspapers, then to advise the individual that they had information of interest which would be sent upon receipt of 25c or some nominal amount. An income of from \$25 to \$30 per week was promised in most instances.

This Kansas City concern is no better than any of the rest of them operating along this line and no doubt by the time you read this the mails will be closed to them also.

"PAUNEE BILL, THE BLIND TIE MAN"

IF our correspondence can be considered an indicator we would say that "Paunee Bill, the Blind Tie Man" is trying to tie up the tie business of Michigan. Every mail during the last three weeks has brought letters inquiring about him, and almost everyone asks if he is really blind.

We have learned from reliable sources that he is blind, alright, and has taken this means to earn a living. He sends out a package of "three fibre silk knitted ties" and the price is one dollar. A letter accompanies the ties playing up the fact that he is blind and appealing to you in a round about way to help him out by purchasing the ties.

Several have written that if the man is really worthy of help they would be pleased to send the dollar although they do not care for the ties. If the ties are worth the money and anyone wants them we say send him the dollar, but do not buy them just to help a blind man. We understand that he needs nobody's sympathy and his income is more than ample. His name is Samuel Presberger, but has adopted "Paunee Bill" for business purposes.

Not only Michigan but other states are being flooded with these ties we are informed, and we will wager that any of our readers would be happy to trade incomes with him at any time.

"DOPING" YOUR BATTERY

DO not put any kind of dope into your storage battery, unless you know what it will do. Every little while we read of some great preparation which will preserve the life of your battery, keep it fully charged, or do something along those lines. The latest is "Sta-Charge" and "Enrich Battery Saver" products and, like most of these compounds, they fail to do what is promised in the literature about them. The only difference between the two products is the name, in the eastern market it is "Sta-Charge," while in the west it is "Enrich Battery Saver." It sells at \$1.00 for a pound carton, and is made of pure epsom salts, according to experts, which are worth from \$1.20 to \$1.30 per one hundred pounds.

WESTERN FARMERS FORM ANTI-CHICK THIEF ASSOCIATION

McCook, Neb., Oct. 7.—An organization to be styled after the Anti-Horse Thief association of two decades ago will be formulated by poultry raisers of this vicinity.

Aroused at the increasing number of poultry thefts County Farm Agent I. S. Ulrich called the meeting to organize a systematic movement against chicken thieves. It is planned to form an organization which will offer rewards for conviction of chicken thieves and aid in capturing and prosecuting them.

Similar organizations have been perfected in other parts of the state where chicken thefts have been numerous.

and they were out of business. Other companies operating along the same line in Chicago that were put out of business by the officials at the same time were Interstate Sales Company, Mid-West Service Company, Elm Service Company, Globe Mailing Service, Crown Mailing Bureau, Superior Mailing Bureau, Harrison Service Plan, Mutual Mailing Bureau, Somers and Company, and Parlow Service Bureau. No doubt you have heard of one or more of

The Collection Box

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

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

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

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

THE BUSINESS FARMER, Collection Box Mt. Clemens, Mich.

Report ending November 12, 1926.

Total number of claims filed.....2887

Amount involved.....\$20,792.12

Total number of claims settled.....2380

Amount secured.....\$27,452.48

First Mortgage Real Estate Bonds

In addition to the exceptionally attractive rate of interest they earn the first mortgage real estate bonds recommended by this institution offer a degree of investment safety which is entirely dependable.

No one has ever had to wait a day for payment of principal or interest when due on securities purchased from us.

6% & 6½%

Normal Federal Income Tax Up to 1½% and 2% Paid by Borrower

Federal Bond & Mortgage Company

(1806)

Federal Bond & Mortgage Building, Detroit, Mich.

Post \$1,000 Reward Signs and Keep Thieves Away!

CHICKEN thieves and crooks are not going to hang around where \$1,000 in rewards have been offered for their arrest and conviction. Tack one or more of these signs on your poultry house, barns or in front of your house. Looks worse than "small-pox" to the thief!

We have printed up a quantity of these signs which we offer FREE, with your renewal subscription sent in now, or at practically cost of printing and postage, if you are paid up a year or more in advance. Use this coupon—

Michigan Business Farmer Protective Service Bureau, Mt. Clemens, Mich.

Enclosed find \$..... in check, money-order or registered letter, for which—

- (\$1) Renew my subscription for 3 Years and send 1 Reward Card
- (\$2) Renew my subscription for 7 Years and send 3 Reward Cards

Name

Address

(Always send your address label from any recent issue when renewing! If you are paid up one year or more in advance, send your address label from any recent issue, and Twenty-five cents for 2 Cards, Fifty cents for 6 Cards)

A MEMORY SYSTEM

By Priscilla Leonard

Forget each kindness that you do
As soon as you have done it;
Forget the praise that falls to you
The moment you have won it;
Forget the slander that you hear
Before you can repeat it;
Forget each slight, each spite, each sneer,
Wherever you may meet it.

Remember every kindness done
To you, whate'er its measure;
Remember praise by others won,
And pass it on with pleasure;
Remember every promise made
And keep it to the letter.
Remember those who lend you aid,
And be a grateful debtor.

Remember all the happiness
That comes your way in living;
Forget each worry and distress,
Be hopeful and forgiving;
Remember good, remember truth,
Remember heaven's above you,
And you will find, through age and youth
True joys, and hearts to love you.

LET'S DO IT NOW

CHRISTMAS is drawing near, so those of us who have only a limited amount of money which to make our preparations, should get busy at once.

It is not the cost of a gift which measures the joy it may give; a little child is often delighted with a mere trifle and our grown up friends are often just as pleased with a small gift, which expresses a bit of thoughtfulness on the part of the giver.

It is the wild scramble during the week of Christmas Day, to gather together a dozen or more gifts, finish a few tasks which complete the fall house cleaning, prepare the dinner for the friends who are coming, or else prepare for the trip away, that rob this sacred holiday of some of its joy.

So, let's do it now! First let us make a list of those who are to be remembered with a gift, thinking first of those whose stocking may be a bit lean, "For inasmuch as ye have done unto the least of these, ye have done it unto me."

There is nothing valued more highly by the housewife than a new piece of needlework and it is not expensive, if one starts while there is still time to do this work. It may be a towel, a buffet set, a dresser scarf or table runner and last but not least, handkerchiefs and aprons. We never have too many and each one expresses the maker's originality.

If you have a friend in the city who perhaps keeps house and holds another job besides, rest assured that nothing will please her more than a jar of homemade pickles or jelly.

I am not allowed to speak on Uncle Ned's page, so I am going to sneak in a message in here for his girls, trusting that the mothers will pass it along for me. Every housekeeper that I ever knew enjoyed bright clean holders but because they are so easily made and there are always so many other more important things to be done, we delay making them until some times the old ones are a disgrace to a neat kitchen. Every mother and auntie will be delighted with half a dozen, made of gingham, cretonne, or any washable material, and the scrap bag will furnish this—don't forget the ring to hang them up with. Now don't laugh, I didn't say this was a new idea.

Next comes the shoe bag, made of ticking or cretonne, with either one or two rows of pockets. The pockets must be deeper if made for men's shoes.

If any one has a bride among their acquaintances, a cook book of your own tried recipes will be very welcome. Get a ten cent note book, paste a pretty picture on each cover and copy the recipes very neatly in ink.

Two of my little nieces have been promised a pin cushion for Christmas such as the others already have. At any 10c store you can buy a bisque or celluloid doll, the bisque is much better, about 8 inches high, for 10c. Cut a strip of batten about 4 inches wide or just deep enough to reach from under the arms to the feet, wrap this around the doll's body, but do not cover the arms, until it measures about 5 inches through. Then gather a piece of fancy ribbon on the lower edge, pulling it up tightly, and sew ends together. Cut a round of heavy paste board for a base, slip this into the



The Farm Home
A Department for the Women

Edited by MRS. ANNIE TAYLOR

DEAR FOLKS: Sometimes it is difficult to get every point clear when one undertakes to follow written instructions, such as we have prepared for you in this issue, hoping that they will be of some help to you in filling the family stockings, with a small amount of money, for those with a fat pocketbook don't need any "Helpful suggestions"—the shops are full of them!

Now if there is anyone who would like to ask further questions regarding any of the articles on this page please do so, we will gladly answer them.

The important thing is to get started at once, and you will be astonished at the number of gifts you can prepare at a small expense. Of course, careful stitching and neatness in the small details of these hand made articles is quite necessary as fine workmanship adds an air of distinction to any article.

It surely does our hearts good to receive such a hearty response to the requests of our readers. G. H., of Rockford would surely appreciate the fine letters we have received in reply to her request for hymn, "Under His Wings."

This spirit of helpfulness and good fellowship is the foundation upon which we are building The Michigan Business Farmer. May we never stop growing!

*Your Friend,
Mrs. Annie Taylor*

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

ribbon bag, then the doll, and gather the other side about one inch from the edge of the ribbon. This makes a pretty frill with the head and arms peeking out of the top. Another bow or two of baby ribbon with long ends may be added on the front. One little girl said, "Auntie, it is too pretty to stick pins into."

Most of us have kodak pictures which are interesting to our friends and family. If these are placed in some of the pretty little frames or easels which can be purchased from the 10c stores they make very attractive gifts.

The bag shown makes a charming gift for grandmother or the girls. Made of two kinds of material with beading or embroidery on the one part, drawn together and finished with a tassel on the bottom and ribbon strings

passed through small rings fastened around top.

The next is a bag for quite a different purpose and any one who crochets or makes tatting is sure to appreciate one. It is made of cretonne, linen, silk or any material available, and lined with a bright harmonizing color. It measures 14 inches deep by 8 1/2 inches wide. An eyelet is worked in the center of one side for the thread to pass through.

The waste paper basket is not at all hard to make. The six sides are pieces of heavy card board, measuring 4 1/4 inches wide by 12 1/4 inches

long; the base is hexagon, each side measuring 4 1/4 inches. From 1 1/2 yards of cretonne cut off a length of 32 inches. Join cut edges together and press open

the seam. Fold material over from selvage to selvage on right side to a depth of 13 inches. Mark off in six divisions and machine stitch these. Slip a card into each space, cover the base on both sides and slip it down inside the case. It must be a really tight fit, to keep the case rigid. At the base of the covering machine stitch a hem wide enough to take a tape, then draw tightly and fasten with needle if necessary. Finish top edge with braid or ribbon.

I have heard people say, "I'll be glad when it's over, but if our plans are carefully made and followed that we may avoid the breathless haste which mars the peace of Christmas Day, we will find the real joy of giving and know that other hearts are lighter because of our Christmas greetings.

THANKSGIVING DECORATIONS

APPROPRIATE decorations and color schemes can do much to make the Thanksgiving dinner attractive and one long to be remembered. If some thought is given to the choice of foods in the menu from the standpoint of color and flavor the effect will be far more pleasing than if the housewife prepared just everything she could possibly think of. Haven't you eaten dinners where you wished there had been half as much because you couldn't possibly taste everything anyway? Moreover, haven't you wished that the housewife hadn't worn herself out for your sake? And have you ever felt sorry for the family living on left overs for several days afterwards?

In laying the table there is nothing nicer than a beautifully laundered cloth of snowy linen. A pumpkin hollowed out and filled with several kinds of fruit, as apples, and a cluster of grapes, or other fruit makes a colorful and appropriate centerpiece. Crystal candlesticks holding bright orange candles will serve to repeat the pumpkin color. Small nut-cups covered with orange colored crepe paper to resemble tiny pumpkins may be used at each place. A horn of plenty may be fashioned from brown crepe paper and a wire frame. This makes an attractive centerpiece when filled with fruits. For a floral centerpiece chrysanthemums or combinations of flowers are beautiful and may have the predominant color repeated in the candles and favors.

Personal Column

Have You This Song?—I want to get a copy of a song but I do not know the name of it. I think the chorus is, "I'm a poor little girl in this cold world so wide, God, look down and pity the drunkard's lone child, look down and pity and soon come to me, Take me to dwell with Mother and Thee." My sister sang this song more than thirty years ago and these words have been ringing in my ears of late.—Mrs. S., Curran, Mich.

I am sure some of our readers can help us find this song because I have published any number of requests for old, and almost forgotten, songs and every time some one has been able to supply the song or tell where it could be gotten from. M. B. F. and its readers seem to have the same purpose in mind and that is to serve mankind to the best of their ability.

Gives Help and Wants Help.—I am a new member of M. B. F. and like it real well. We have signed up for 7 or 8 years so will probably be with you for a long time.

In your Nov. 6th issue you published a request from Mrs. F., Muskegon, for a recipe for sulphured apples. I read the recipe in another paper and saved it. I have never used it but it sounds good. For one gallon sliced apples take one teaspoonful of sulphur, burn for half hour only. Pare apples and quarter, place in something airtight and burn sulphur in with apples for one half hour. Then place apples in jar, tie cloth over top, and they will keep indefinitely. Place plate on apples so liquid will cover them.

They form their own juice. Wash good before using.

Now I would like a recipe for potato hash.—Mrs. M., Walkerville, Mich.
—The only kind of potato hash I am familiar with is made up of cold meat and potatoes, about equal parts, both being chopped fine with an onion and seasoned. Place either butter or meat drippings in hot frying pan, then spread hash in pan and turn when browned. Many prefer it moistened with milk or cream instead of brown and crisp. Perhaps some of our good friends have other ways of preparing hash and they will send them in.

—if you are well bred!

How to Order at Restaurant.—It is a man's place to order. Courtesy and personal taste dictate, of course, that, though he suggest dishes, he consult the lady whom he is ordering in every instance, to be sure that she has exactly what she wants. If she should leave the entire matter of ordering to him he should use tact and intelligence in selecting dishes which he has reason to believe she will take. The waiter serves the dishes, but a man may, if he choose, say to the waiter "I will serve this," and proceed to do so.

The Runner's Bible

He will swallow up death in victory; and the Lord will wipe away tears from all faces.—Isa. 25-8.

O death, where is thy sting? O grave, where is thy victory?—1 Cor. 15:55.

To him with understanding the death of the body is not the occasion of despairing grief, for he knows that Life and Love are deathless—not of the flesh, but of God. He does not look upon the prism as sparkling of itself, but sees playing upon it the sunbeam that shines on unchanged even though the prism disappears. So to him the disappearance of the fleshy body does not mean the loss nor the separation of the dear one, for he knows that this dear one still lives and asks for love, and in turn loves and serves better than ever before, because he has come into his own, and is unfettered—free. Unfortunately many of us are idolaters, we love the fleshy body of the dear one to the exclusion of everything else, and when it disappears we are as though we had lost our all, and we refuse to be comforted.

For the Movie Fan

The Black Pirate.—Douglas Fairbanks' latest picture takes you back to the days of "Treasure Island" and Captain Kidd, which were handed down to us through story books. An elaborate tale of pirate lore, it is a typical Fairbanks picture, and he gives a very good sample of his best acting. Like most of his recent pictures it is not intended to be taken seriously, but is just romance, dashing melodrama and a jolly, exhilarating flight of imagination.

Mr. Fairbanks as a youth of noble birth is traveling the seas with his father. Their ship is attacked by pirates and he and his father escape, although the father dies soon after reaching land. Vowing to avenge his father's death, the son joins the pirates. After many hazardous exploits and deathdefying hazards, he betrays the pirates, brings about their capture and rescues the beautiful lady who happens to be a royal princess. Lovely Billie Dove is the princess. This picture is done in color.

Recipes

Roasting the Thanksgiving Bird.—The chief object in roasting any bird is to have a moist, tender, well-flavored product when it comes to the table. If the bird is young and plump to start with, this end is more easily reached. But sometimes, as a matter of farm economy, one of the "boarder" hens may have to be sacrificed, and that's another story.

Some acny cooks boil such a fowl in water to which has been added a small amount of vinegar. Those who are fortunate enough to own pressure cookers do the preliminary "tendering" in these useful utensils. The roasting process in those cases, becomes a matter of browning the fowl and allowing the seasoning in the stuffing to do its savory work.

When a straight job of roasting is done the flavor is improved by laying strips of bacon or salt pork over the breast of the bird to prevent dryness. Long, slow cooking produces a better result than does a quick heat which is apt to harden and dry the tissues unduly. Much basting also helps to prevent this tasteless state of affairs.

Oyster Stuffing.—1 cup of dry bread crumbs, 1/4 cup butter, 1 cup oysters with liquor, 2 tablespoons lemon juice, 1/2 tablespoon minced parsley, 1/4 tablespoon salt, dash of pepper. Mix thoroughly. There should be enough oyster liquor to moisten the whole mixture. If there is not, add stock or boiling water. Better baked in the bird.

This recipe may be varied by adding the giblets, cooked and minced, 1/2 pound pecan meats, cut coarse, or 1 large onion.

Plum Pudding.—Mix together well 1 cup suet chopped very fine, 1 cup of molasses, 2 cups seeded raisins, 1 cup currants, ¼ cup each of citron, orange and lemon peel, 1 teaspoonful cinnamon, ½ teaspoonful each of cloves and nutmeg, 1 cup sweet milk, 1 teaspoon soda sifted with 2 cups flour. Place in small cans leaving 2 inches space at top and steam two hours. Serve with a hard sauce or whipped cream.

Fruit Cake.—Cream 2 cups brown sugar with 1 cup sour cream. In 1 cup sour cream place 2 teaspoonfuls soda and add to sugar. Then add 1 cup seeded raisins, ½ cup dates, ½ cup figs, having fruit chopped. Any desired fruit may be used, most bakers using citron, also. Add 2 teaspoonfuls cinnamon, ½ each of allspice and cloves and ½ cup nut meats. Use enough flour to make a dough that will not run but use caution in not getting dough too thick. Bake in loaf and ice with any desired icing. This cake may be used or kept two weeks.

Cranberry Jelly.—1 quart cranberries, 2 cups boiling water, 2 cups sugar. Cook until cranberries are tender, strain and stand away to get firm. A convenient way to make individual molds is to use aluminum or enamel muffin tins for this purpose—the smaller the better. If the fowl is carved at the table, a border of the individual servings of cranberry jelly makes it most decorative.

Edith's Coffee Cake.—1 cup of scalded milk, 1 teaspoon salt, ½ cup sugar, large tablespoon butter, 1 yeast cake, ¼ cup water (warm), 1 egg (well beaten), 15 or 20 cardamon seeds or raisins if you prefer, 3 ½ cups flour. Mix sponge as usual, knead, let rise and then mold in desired shape. Rub surface with egg white or dust with cinnamon and sugar. Bake in oven as for bread.—Mrs. H., Kent County.

Fruit Salad.—Chop fine 4 large apples, 1 cup pineapple, ½ cup nut meats, ¼ cup celery, ½ cup marshmallows. Mix with a good dressing and serve on leaf of head lettuce on individual salad plates.

Homespun Yarn

Small-patterned dress materials are much easier to cut than large-figured material that has to be matched.

A cupful of apples to each quart of grapes keeps grape jelly from crystallizing and does not affect the flavor of the jelly.

A kitchen sink that is big enough to hold washing and rinsing pans or other large containers is a convenience that is worth while for any home.

Aunt Ada's Axiom: Some housewives are born thrifty and some of them acquire thriftiness, but some are still "caught in a fix" when unexpected company comes.

Aunt Ada's Axiom: The only good excuses are those we make for somebody else.

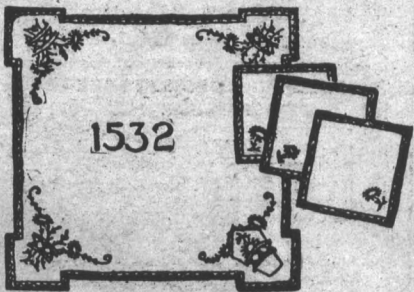
Vegetables sliced lengthwise instead of crosswise keep their flavor better when cooked.

If cake is made with a butter substitute, be sure to use an additional amount of it.

Regular meal hours is an important stone in the foundation of family happiness.

A drop leaf table saves lots of space when one room has to be used for both dining room and kitchen.

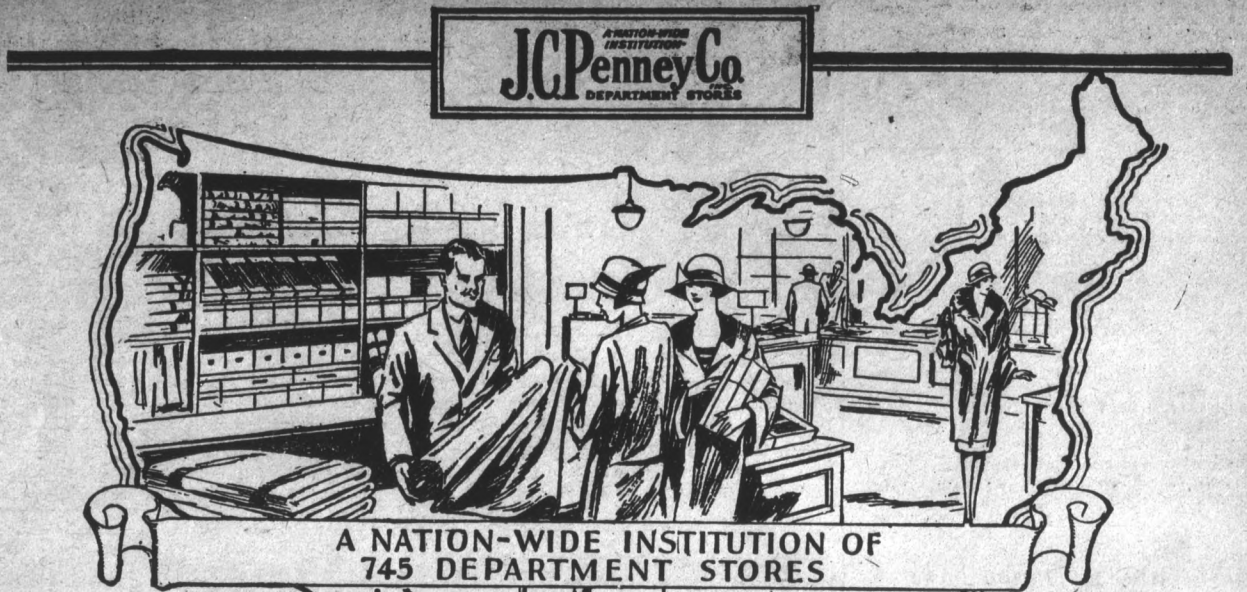
Give the family a pleasant surprise the next time you serve roast lamb by putting some grapes or current jelly in the gravy.



A CHARMING LUNCHEON SET

What could be prettier than a large cluster of daisies in harmonious shades of orange, yellow and black, embroidered on a toneful background of beautiful jade—the effect of this stunning design when worked out for a luncheon set, is remarkably striking. It is inexpensive, costs far less than ready made sets and you will feel a natural glow of pride when you work this captivating design. It is easy to work in large lazy daisy stitch and French Knots and an attached lesson leaf that explains everything, makes your work a real joy. The design is stamped on splendid quality linen finished Indian Head and set, when completed, will launder beautifully. Set sent postpaid for only 90 cents.

Pattern Department
THE BUSINESS FARMER
Mt. Clemens, Mich.



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DEPARTMENT STORES

AIDS TO GOOD DRESSING



5604. Ladies' Dress.—Cut in 6 Sizes: 34, 36, 38, 40, 42 and 44 inches bust measure. A 38 inch size requires 3 ¾ yards of 54 inch material. The width of the dress at the lower edge is 2 yards.

5624. For Small Boy.—This model has comfortable lines and is suitable for flannel corduroy, tweed or jersey weaves, as well as for wash materials that are generally employed for boys suits of this kind. Pattern cut in 4 Sizes: 2, 3, 4 and 5 years. A 4 year size will require 2 ½ yards of 36 inch material. For bias binding on the free edges as illustrated 2 ½ yards are required.

5583. Ladies' Apron.—Cut in 4 Sizes: Small, 34-36; Medium, 38-40; Large, 42-44; Extra Large, 46-48 inches bust measure. A Medium size requires 2 ¾ yards of 36 inch material. If made as illustrated 9 ¼ yards of bias binding will be required for trimming.

5594. Simple School Frocks.—Serge, crepe or wool rep could be used for this design. The plaits at the side provide fullness and style. Pattern cut in 4 Sizes: 6, 8, 10 and 12 years. A 10 year size requires 2 ¾ yards of 54 inch material.

(Be Sure to State Size.)

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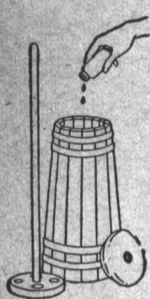
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Cured His Rupture

I was badly ruptured while lifting a trunk several years ago. Doctors said my only hope of cure was an operation. Trusses did me no good. Finally I got hold of something that quickly and completely cured me. Years have passed and the rupture has never returned, although I am doing hard work as a carpenter. There was no operation, no lost time, no trouble. I have nothing to sell, but will give full information about how you may find a complete cure without operation, if you write to me, Eugene M. Pullen, Carpenter, 33 N. Marcellus Avenue, Manassquan, N. J. Better cut out this notice and show it to any others who are ruptured—you may save a life or at least stop the misery of rupture and the worry and danger of an operation.—(Adv.)

WHEN WRITING TO ADVERTISERS PLEASE MENTION THE BUSINESS FARMER.

The Children's Hour

Motto: DO YOUR BEST
Colors: BLUE AND GOLD

DEAR girls and boys: Honors in our joke contest were pretty nearly evenly divided, although the girls did win more of the money, getting first and third prizes, while the boys placed second and fourth. But I wish that I had been able to award a dozen prizes instead of four because there were so many good jokes that the judges had a very hard time to pick the winners. We are going to publish all of the best ones from time to time with the names and addresses of those who sent them in.

Eleanor M. McCabe, age 11, Blanchard, won first prize of \$2.00; second prize of \$1.00 was awarded to Robert Royal Rhoads, age 10, Wheeler; third prize of 50c to Mildred Halsey, age 17, Charlotte, R. 5.; and fourth prize of 50c to Carson Nelson, age 13, Filion.

Next Thursday is Thanksgiving Day and I hope all of you will sit down some time between now and then and make out a list of the things you have to be thankful for. List these, one below the other, and then opposite this list make one of the things in your life that you have good reason for not being thankful for. Your first list will cover several pages no doubt while your second one will take only small space on the first page. Then next Thursday give thanks to God and after that make every day Thanksgiving day. We have those many things to be thankful for the year around, so we should give thanks for them every day. Of course, we are all thankful, but some of us fail to tell God every evening that we are, and we should not do that. Tell God daily that you are thankful for what he does for you.

I warn you not to eat too much turkey and all of the other good things the table will be loaded down with or you will be sick. I know because I often do it. There now, I told on myself, didn't I?—UNCLE NED.

Dear Uncle Ned:—I have never sent a letter to you before only to try for one of your contests but I didn't get anything so I never wrote again.

Perhaps I had better describe myself. I am five feet tall, weigh 94 1/4 pounds, and have medium brown hair (bobbed). Oh, yes, Uncle Ned, I have a dark complexion. I am thirteen years old and in the ninth grade.

Uncle Ned, if I write and tell you of my trip black berrying last August, will you send me a button?

I have four sisters all older than myself. Two are twins, but there is one older than they are and one younger. I haven't any brothers so you see I am what people call the baby of the family. Well, Uncle Ned, I guess I will leave off with some riddles:

1. A house full, a hole full, but can't catch a bowl full.—Smoke.
 2. What can go up the chimney down but not down the chimney up?—Umbrella.
 3. Why is coffee like the earth?—Because it is ground.
 4. There is a green house, in the green house there is a white house, in the white house there is a red house, in the red house a lot of little niggers.—Watermelon.
- Please excuse my writing with pencil but I can not find my fountain pen.—Your want-to-be-niece,—Margaret Harding, R1, Standish, Michigan.

—Why Margaret, I am surprised at you for giving up just because your first letter did not appear in print. Don't you remember that well known motto.

Dear Uncle Ned:—May I join your merry circle? I have often read about it in The Business Farmer and willing to do as the other boys and girls do. I should like also to hear from some of the boys and girls. I think it is about time I described myself. I am three feet ten inches tall, am nine years of age. For pets I have two cats, one dog, two horses, one cow that bunts. I live on the H. D. Hudson place eight miles from Fennville. We have a new barn. It is three stories high. We had a barn dance Friday night and had a good time. I weigh seventy pounds. I have blue eyes, brown hair. I will close now hoping to hear from some boys and girls of your merry circle.—Miss Cora Jean St. John, R1, Box 42, Fennville, Michigan.

—Alright, Cora, you are a member. All you must do is write to us and observe our motto, "Do Your Best."

The Gypsy's Magic Rings

By JAMES MACE ADDRESS

IT was the day before Thanksgiving.

The Smith children were playing in their back yard. They were talking about the fun they were going to have the next day.

"Good afternoon," said a quiet voice.

They started in surprise. Standing near them was an old woman, a gypsy. She was bent with age. A red and yellow shawl hung from her shoulders. She wore large shiny earrings.

"Cynthia is hungry. She begs something for Thanksgiving dinner tomorrow," she said.

"Wait a minute, Granny," they said as they scampered off to the house. In a moment they returned with a basket heaped with fruits and vegetables and other good things to eat.

"A happy Thanksgiving to you," they cried as they handed her the basket. "Won't you tell our fortunes?"

"Not today, you kind and thoughtful children. But here is something that may help you to have a joyous Thanksgiving, and she gave them some silver rings which she took from an old beaded purse. There was one for each child. Then Granny in a mysterious tone of voice told the children what to do.

"Just as the clock is striking the hour of five this afternoon slip a ring on your little finger. Then something will happen. For thirty minutes you will hear things talk.

But remember the ring must be put on before the clock stops striking."

With a "Thank you" and "Good-bye" she disappeared as quickly as she had come.

How slowly the hours wore away! Just as the clock began to strike five the children slipped on their rings as Granny had told them to do. Suddenly they heard strange voices. As they peeked between the cracks of the barnyard fence they saw Mr. Turkey strutting up and down. He held his head high, and his tail feathers were widely spread. All around him were golden pumpkins, squash, rosy apples and bottles of milk.

"Ha, ha," boasted Mr. Turkey. "Tomorrow is my day, the One day of the year. Everybody must bow down to Mr. Turkey. What would Thanksgiving be without me?"

"Ho, ho," said Mr. Milkbottle, perched high on a post. "Tomorrow may be your day, but I have 365 in the year. Children need me to be happy. They know I am their friend."

"But what would Thanksgiving be without me?" sputtered Mr. Potato and Dame Squash and Rosy Apple.

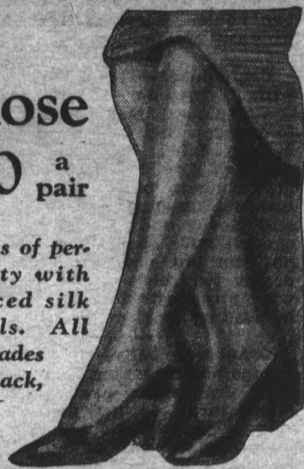
"Well, it seems to me," said Mr. Turkey in his wise way, "that the children need us all to be healthy and happy on Thanksgiving Day."

Just as the clock struck the half-hour the voices ceased, and they heard only the gobbling of the turkey.

The magic spell was over! (Copyright, National Dairy Council.)

Ten Strand Full-Fashioned Silk Hose

\$1.00 a pair



Every pair is of perfect quality with high spliced silk plated heels. All new fall shades as well as black, white and navy.

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Mary Fields



will handle your purchases from out of town. If there is anything that you desire in the line of dry goods, she can send samples and prices. Just call upon her to do so.

The great Arbaugh department store is situated in Lansing in the heart of Michigan. They have conceived the idea of offering to the people outside of Lansing the opportunity of shopping in this great store with its wide selection of goods and Arbaugh values. Therefore, they will offer from time to time such bargains as illustrated above.



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MICHIGAN BUSINESS FARMER
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TELL YOUR FRIENDS ABOUT IT!



SOILS AND CROPS

Edited by C. J. WRIGHT, St. Joseph County.

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

THE ABANDONED FARMS OF MICHIGAN

ON every hand one sees farms that was once homes of large families that today are standing in ruins and decay, and these are no tonly in one section of Michigan but on every hand in every county in the state.

In the last twenty years Michigan has changed. The industrial centers have grown rapidly and the wages now paid to employees are higher than in any other state in the union or in the world.

The farm boy leaving the farm can get from 30c to \$1.50 per hour with little or no preparation while it takes at least 20 years to make an average hand out of the city lad when you bring him on the farm, yet he wants \$3.00 to \$5.00 per day for work that he knows but little about.

I am not mentioning these conditions to sob about them, but they must be looked square in the face if we are going to get a trifle of a square deal on the farm. The old fellow that is hardened to the plow is fast fading away and the man that can cut his 90 chocks of corn, pitch his 30 loads of manure, dig his 100 post holes, stretch his allotment of fence, milk 5 to a dozen cows, feed the calves, feed the hogs, curry off 4 to 8 horses and get them ready for the field is a passing thing and with him will pass the old order of farming that Longfellow and Riley sang the sonnets about.

Now what is the cause for this change? Is it that we look down upon this type of a man or is it an economic problem? When you look at it from all angles it looms up as the present easy earned dollar is the desire of the world and man overlooks the future for the present and grabs and tries to get his share.

In the past we thought that the man that could raise the biggest crop and sell the largest amount of that crop was a real farmer and one to look up to and pattern after and the trouble was that most of them did.

For years, as at the present day, we have been putting crops on the market for less than the cost of fertility that enters them, to say nothing of the labor or overhead cost of the same.

At the present day prices of commercial fertilizer, the fertility in a bushel of corn costs 67c and you could buy any amount of corn for 55c this year. This condition applies to nearly every crop on the farm.

The fertility of the state has been sold on the market without any idea as to the cost in order to let the

man who raised the crops get something for his labor, regardless of what elements entered into them.

God gave us certain fertility in certain soils, in some more than others, and you will see the poorest soil originally is the first to be abandoned with the others following in their respective order.

Now comes the time when with the price paid for implements, equipment and labor, the man farming these lands finds that he is playing a losing game and it all depends upon his love for the soil or his family connections that holds him on them, but the time will come when he will throw up the sponge.

How long this thing will continue will depend upon the rate of education of the producer and consumer alike to know that so much fertility enters into a given unit of land and is taken out of one's soil and this must be replaced if the producer is going to maintain his present state of fertility. This cannot be done by legislation but by a persistent education of the public to these facts.

The man who is trying to build up his farm must put his crops on the same market as the man who is tearing this down and at present there seems to be no way to stop them.

More abandoned farms are looming up on the horizon of Michigan as well as other states and the time may be on its way when great corporations will run the land scientifically and then foods will be sure to sell for more than fertility costs. We hear a great lot of bunk on the prosperity of the farmer but the rank and file of these would like to know how much behind they will be this year.

The man who has unusual conditions may be making money and these unusual ones are held up as beacons of farm prosperity.

The writer had the pleasure to see one of the widest advertised farms in Michigan and one that was stocked with 1-10 of a cow per acre and all modern conveniences but yet this farm was looking for a man who could make some money on it.

Don't think that I am advising you to leave the farm at present because the tide is going to turn when the people get suppressed enough to wake up and demand the right.

If the man can keep on sawing wood and add to his soils, humus and fertility, which can be done even at the present prices, he is going to have a better time when the tide turns than he is at present, and every bushel more he raises and yet maintains his fertility that much more able will he be to ride the head horse in the parade.



Make Cows Pick Up give more milk

FOR all-winter Milk profits, without interruption, most cows need more than simply good food. The sudden change from tender pasturage to dry, hard-to-digest feeds is too much for them to overcome—without aid. Part of the expensive diet simply GOES TO WASTE.

And this wasteful milk loss NOW! Take several of your poor milkers and give a table-spoonful of Kow-Kare with the feed—note the almost immediate improvement in the milk pail. It's those ADDED quarts that boost your milk profits. You'll be amazed at the convincing proof of the Kow-Kare aid to increased milk flow.

Kow-Kare has a direct, positive, action on the digestive and assimilating organs. It enables them to carry a

heavy load without a break-down. It builds greater vigor into the cow while it is putting more milk into the pail. A single can of Kow-Kare will ration one cow one to two months, depending on the dosage you deem necessary. It's a small investment to pay for profit and health insurance.

Treating Cow Diseases

For Barrenness, Retained Afterbirth, Abortion, Bunches, Scours, Lost Appetite, etc., Kow-Kare is your one sure remedy. It attacks these diseases by quickly building up to robust health the organs where these troubles originate. If you have never tried Kow-Kare, ask your neighbor. Kow-Kare has a well earned reputation as a profit-maker and a money-saver in the cow barn.

For cows about to freshen, Kow-Kare provides just the strengthening aid needed to bring cow and calf through without costly disorders and loss of production. Feed it two to three weeks before and after calving; it costs little, brings sure results.

DAIRY ASSOCIATION CO., Inc., Lyndonville, Vermont

Makers of Kow-Kare, Bag Balm, Grange Gargol Remedy, American Horse Tonic, etc.

Feed dealers, general stores, druggists have Kow-Kare—\$1.25 and 65c sizes, (Six large cans, \$6.25). Full directions on can. Mail orders sent postpaid if your dealer is not supplied. Our valuable free book on cow diseases sent free, on request.



KOW-KARE

FAMOUS CONDITIONER OF MILCH COWS

WHEN WRITING TO ADVERTISERS, PLEASE MENTION THE BUSINESS FARMER

Harry Vetch Says

HAPPY HOLLOW NEWS NOTES

MILT SPRINGER made a business trip to town yesterday; he had to buy more nails to fasten his pants to his suspenders. Milt says as how he wouldn't marry no more school mams unless they had graduated in buttonology.

Johnny Martin caught a ten pound carp on his dad's new wheat sowing last Saturday. When Johnny said it would keep on raining his dad spanked him.

Lije Martin ain't so awful old but he is getting purty deaf. Tother day Missis Mender who is ten years older than Lije visited the old community for the first time since she was a girl. While talking to Lije she tried to make him understand that she used to spank him. Lije thought he understood when he spoke up and said, "Yes, you'd hardly know the old place now."

Politics is buzzing in our neighborhood. Some old crabs what ain't smiled for ten years are going around wearing grins like chessy cats and passing out cigars what have ten cent bands and two cent innards.

Virginia Martin left for boarding school last Tuesday. She packed

her war paint in a suit case and her wardrobe in a vanity case.

Grandpa Springer drank two bottles of Petaluma bitters yesterday and tried to dance the Charleston on a fence rail. He is bedridden now but Doc thinks he will recover.

A Bad Mixture

Long-Nosed Charley, Sioux Indian chief, inherited some government lands. Disposing of them at an attractive figure, he invested some of his surplus cash in a high-powered automobile. The next morning the much battered Sioux was picked up beside the road trying to collect his various parts from the smashed-up gasoline wagon. When asked how it happened, his explanation ran something like this: "Had much money. Buy big red automobile. Buy gallon of gas. Buy gallon moonshine. Drink moonshine. Step on gas. Trees fly pretty fast. Pretty soon see big bridge coming down the road. Turn out to let bridge pass. Bam! Here I am."

His Subsequent Action

"Gap, what would you do if you had a million dollars?" asked Mrs. Johnson the other evening.

"What's—yaw-w-wn!—that?" returned Gap Johnson, of Rumpus Ridge, starting out of a halfway doze.

"I wouldn't do nuth'n' till I got plumb rested."

SPECIAL LOW PRICES FOR ORDERS NOW

BIG MONEY SAVING PLAN

WRITE US REGARDING THIS BIG REDUCTION FOR EARLY ORDERS

BUY NOW—PAY LATER These products are made of rust resisting copper-content ROSS-METAL galvanized; Silos—Corn Crib—Grain Bins—Brooder Houses and Garages

—also make Ensilage Cutters and Feed Grinders.

Check items below you are interested in and write for catalog—Agents wanted.

E. W. Ross Ensilage Cutter & Silo Co. 238 Warder St., Springfield, Ohio
Silo—Cutter—Brooder H.—Crib—Garage



TREAT SWOLLEN TENDONS!

Absorbine will reduce inflamed, strained, swollen tendons, ligaments or muscles. Stops the lameness and pain from a splint, side bone or bone spavin. No blister, no hair gone, and horse can be used. \$2.50 at druggists, or postpaid. Describe your case for special instructions. Interesting horse book 2-S free. From a race horse owner: "Used Absorbine on a yearling pacer with strained tendon. Coit all over lameness, though for a time, couldn't take a step. Great stuff."

ABSORBINE

TRADE MARK REG. U.S. PAT. OFF.
W. F. YOUNG, Inc. 369 Lyman St., Springfield, Mass.

NEWTON'S Compound
Horses, Coughs, Conditions or Worms. Most for cost. Two cans satisfactory for Heaves or money back. \$1.25 per can. Dealers or by mail. The Newton Remedy Co. Toledo, Ohio.



DAIRY and LIVESTOCK

(We invite you to contribute your experience in raising livestock to this department. Questions cheerfully answered.)

FEEDING FRESH SILAGE TO DAIRY COWS

WHEN the silo is filled and allowed to seal itself by the heating and fermenting of the top layer, there is an appreciable loss of feed. If the silo is filled early in the fall while there is yet plenty of pasture or other green feed, it may not be practicable to avoid this waste. However, if the silo is filled later, when all the available green feed is needed, feeding from it should begin immediately. When this is done, the labor and unpleasantness of removing the surface layer is avoided also.

For a number of years, the dairy cows at the New York State College of Agriculture have been fed green corn as it came from the machine when the silo is being filled and then fed the silage when it is heating and settling. So far as is known, no bad effects from this method have been noticed in the herd.

WITH THE COW TESTERS

THE Gratiot county cow testing association closed its second year with 245 cows under test averaging 325 lbs. butterfat and 7682 lbs. milk. Earl Bayes had high herd in butterfat production, while in milk production Delbert Conley's herd was in the lead.

The Kalamazoo association recently closed a very successful year, and Roy Buckham had high herd in both milk and butterfat production. His herd averaged 431.7 lbs. butterfat and 12947 lbs. milk.

Macomb No. 3 association finished the first year with seven herds averaging above 300 lbs. butterfat. E. B. Elliot is the tester.

A herd of 23 purebred Jerseys, owned by James Harris, was high in butterfat at the end of the third year of testing in the Leelanau- Traverse association. The Robert Lautner herd of 23 purebred Holsteins was first in milk production.

Twenty of the 25 herds completing the test in the third year for Macomb No. 2 averaged above 300 lbs. butterfat production, and the remaining five averaged between 250 and 295 lbs.

The South Newago association has just completed two years of work and in checking up results it is found that the net profit per cow has been increased \$16.00 during this time. The tester is Clarence Prentice.


RATION FOR HOGS

What kind of a ration would barley, oats and buckwheat make for hogs?—M. T., Bad Axe, Mich.

I WOULD not advise a ration of barley, oats and buckwheat for hogs. Buckwheat and oats both contain more fibre than is desirable in a ration for hogs. If these grains are at hand and are cheaper than other grains which could be purchased I would advise feeding them in the proportion of two parts of barley, one part of oats and one part of buckwheat or if it is desired to use up the buckwheat more rapidly it would be all right to feed two parts barley and one part of buckwheat.

With either of the above mixtures some protein feed would be desirable. This might be supplied by skim milk. Skim milk fed to the extent of from two to three pounds for each pound of the above grain mixture would give a well balanced

This



DREW
LINE

Litter Carrier in Your Barn Will Pay for Itself the First Year

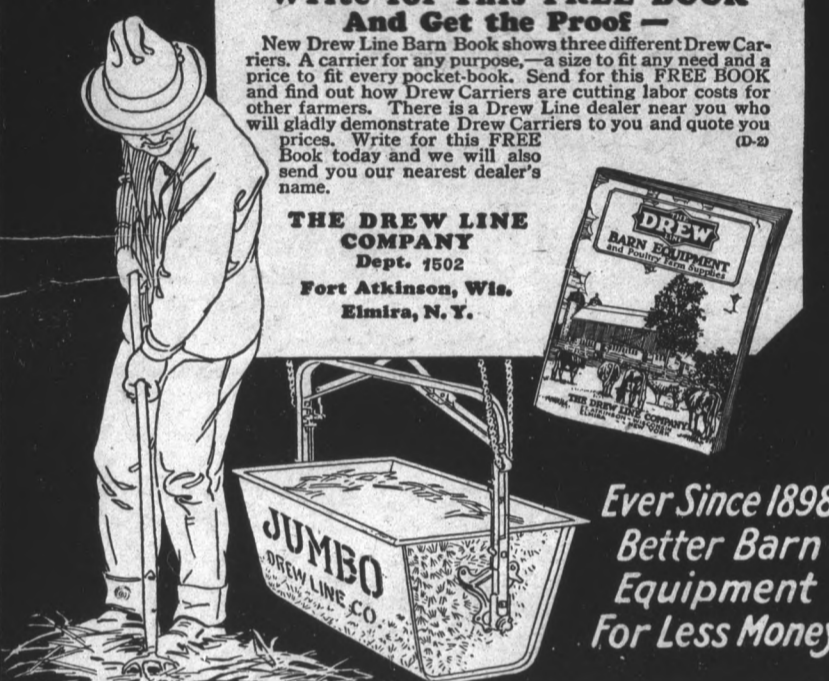
Put this world-famous Drew Litter Carrier in your barn and it will cut your chore time in half. A Drew Carrier will relieve you of the hardest job on the farm—the back-breaking drudgery of handling manure and cleaning up. It will increase the value of your fertilizer and give you a cleaner, healthier barn and healthier stock. Throw away your old fashioned wheelbarrow and put in a Drew Carrier. It will pay for itself easily the first year in the time and labor it saves you and the satisfaction it gives in enabling you to keep your barns clean with little work.

For Over 27 Years Highest in Quality—Lowest in Price

Away back in your Dad's day the Drew Carrier earned its reputation of being the best on the market. Today it still holds that same good name, for extra strong construction, easy operation and long-lasting service. No other Carrier will give you as much real value and quality at so moderate a price as the Drew Carrier. That is the reason there are more Drew Carriers in use today than any other make.

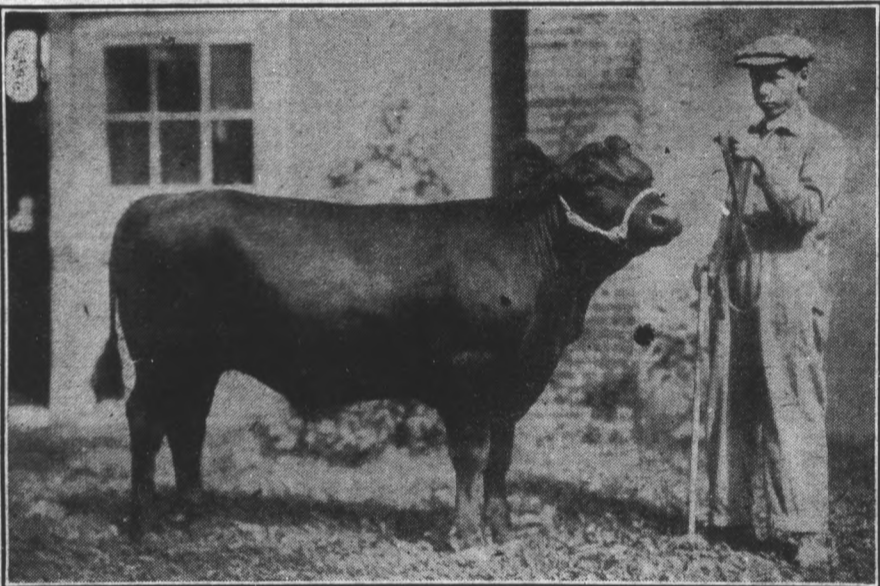
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New Drew Line Barn Book shows three different Drew Carriers. A carrier for any purpose,—a size to fit any need and a price to fit every pocket-book. Send for this FREE BOOK and find out how Drew Carriers are cutting labor costs for other farmers. There is a Drew Line dealer near you who will gladly demonstrate Drew Carriers to you and quote you prices. Write for this FREE Book today and we will also send you our nearest dealer's name.



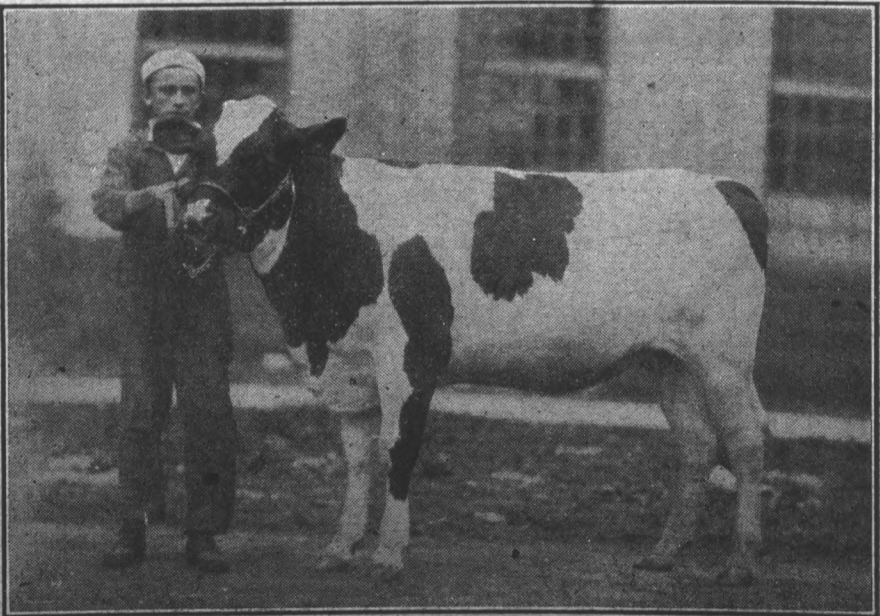
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Ever Since 1898 Better Barn Equipment For Less Money



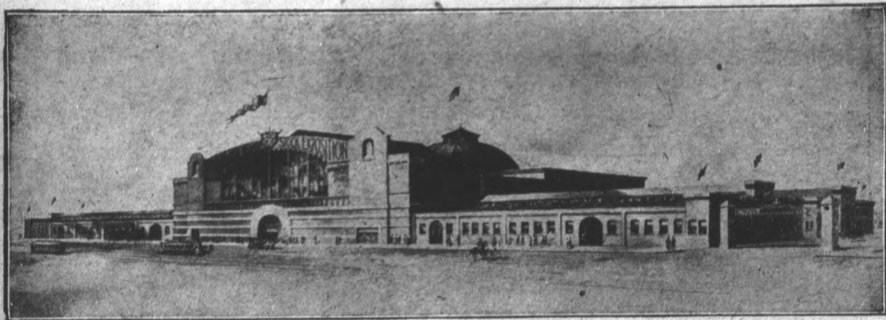
WELL FOLKS, THE JOKE IS ON US

Our readers no doubt had a good laugh when they saw the above picture in our October 23rd issue with lines appearing under it reading, "This Holstein was State Champion in Club work for 1926 at the Michigan State Fair and is fed and owned by Clarence Merchant, Cass City," and we do not blame them because anyone could tell this animal is not related in any way to the Holstein breed. The picture which was intended to appear with those lines is shown below, and the information about the Angus steer is that it was champion beef steer at the State Fair this year. It, too, comes from Cass City, Tuscola county, but is owned by James Milligan. The latter part of this month this Angus calf goes to the International, at Chicago, to compete for national honors.



VISIT INTERNATIONAL LIVE STOCK EXPOSITION

NOVEMBER 27 to DECEMBER 4
UNION STOCK YARDS, CHICAGO



Greatest Round-Up of Farmers and Stockmen ever held on this Continent at this SUPREME COURT OF THE LIVE STOCK INDUSTRY

SEE the Aristocracy of the Animal Kingdom
LEARN Economy in Production
ENJOY the Great Spectacular Features
PROFIT by investing in a Trip to
THE WORLD'S GREATEST LIVE STOCK SHOW

DAILY PURE-BRED SALES:

<p>SHORTHORN SALES:</p> <p>Shorthorn, Thursday, Dec. 2, 1:00 P. M.</p> <p>Milking Shorthorn, Friday, Dec. 3, 10:00 A. M.</p> <p>Polled Shorthorn, Wednesday, Dec. 1, 10:00 A. M.</p> <p>For catalogs, address American Shorthorn Association, Union Stock Yards, Chicago.</p>	<p>ABERDEEN-ANGUS</p> <p>Wednesday, Dec. 1, 1:00 P. M.</p> <p>For information write W. H. Tomhave, Union Stock Yards, Chicago.</p> <p>HEREFORD</p> <p>Friday, December 3, 1:00 P. M.</p> <p>For information write R. J. Kinzler, 300 W. 11th St., Kansas City, Mo.</p>
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And Other Pure-Bred Live Stock Sales.

SEE The INTERNATIONAL GRAIN AND HAY SHOW
National Boys and Girls Club Congress on Exposition Grounds

ASK R. R. AGENT ABOUT REDUCED FARES

A Season of Education Pleasure and a TRIP TO CHICAGO

BREEDERS' DIRECTORY

Ads under this heading 20c per agate line for 4 lines or more. \$1.00 per insertion for 3 lines or less.

Michigan Pure-Bred Livestock Auctioneer

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

CATTLE

HEREFORDS

HEREFORDS. OLDEST HERD IN THE U. S. Stock of all kinds for sale. Farmers prices. Our herd Bulls International Winners.
GRAGO FARMS, Swartz Creek, Michigan.

Hereford Steers

22 Wt. around 1100 lbs. 89 Wt. around 1000 lbs.
74 Wt. around 725 lbs. 81 Wt. around 825 lbs.
45 Wt. around 650 lbs. 50 Wt. around 600 lbs.
Good quality, dark reds, dehorned, well marked Hereford Steers. Good grass flesh. The beef type are usually market toppers when finished. Will sell your choice of one car load from any bunch. Can also show you Shorthorn steers, yearlings or 2 year old.
V. V. BALDWIN, Eldon, Wapello Co., Iowa.

JERSEYS

20—Sophia Tormentor—20
Jerseys

To Be Sold at Auction

November 23, at 1:00 P. M.

Seven miles north, one mile east of Mason, or two miles south, one mile east of Okemos.
P. C. HARPER, J. B. WORTHINGTON,
R. 4, Mason, Mich. Okemos, Mich.

Registered Jersey Bull Six Years Old.

Son of R. of M. ex-state class champion two year old of Tennessee, and son of the Gold and Silver Medal bull Oxford Dairy's Flying Fox. Price \$150. Write us also about young bulls by our imported dam, son of the \$25,000 Bowline's Oxford Sultan.
CLARENCE B. SANBORN, Otisville, Michigan.

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

FOR SALE—JERSEY BULLS OF FLYING FOX breeding. Two months to eighteen months old. Priced from \$25 to \$125.
L. RUHSTORFER & SON, Kawkawlin, Mich.

GUERNSEYS

GUERNSEYS

FARMER'S PRICES FOR BULL CALVES Sired by most popular blood lines \$50.00 each. Write for circular. **WOODLAND FARMS, Monroe, Mich.**

PUBLIC SALE—GUERNSEYS

TUESDAY, NOVEMBER 23, 1926

16 registered cows and heifers, 3 bulls, 5 grade cows. Information on request.
JONES & ALLDREDGE, Cassopolis, Michigan.

SHORTHORNS

FOR SALE—SMALL HERD SCOTCH SHORT- horn cows and heifers. Also good son of Imp Rodney. **GLEN BLYSTONE, Rt. 1, Clare, Mich.**

RED POLLED

FOR SALE: TWO CHOICE RED POLLED bull calves, 5 months old. Phone 158F3.
RUSSELL M. COTTLE, Rt. 1, West Branch, Mich.

BROWN SWISS

FOR SALE: SEVERAL FRESH BROWN SWISS cows, also heifer and a bull calf. These cattle are well bred and have show and R. of P. records back of them. Several Airdale pups, males \$6.00, females \$4.00.
ELMWOOD FARMS, Sebawaing, Mich.

SWINE

BIG TYPE POLAND CHINAS WITH QUALITY. We have them. Write us your wants.
E. A. CLARK, Breckenridge, Michigan.

SHEEP

FOR SALE: 1000 DELAINE BREEDING EWES. 500 yearlings and twos. Price right for quick sale.
FRANK DODGE, Peoria, Ohio.

REGISTERED HAMPSHIRE YEARLING RAMS. call or write, Clark Hair Ranch.
CHARLES POST, Mgr., West Branch, Michigan.

POULTRY

WHITE LEGHORN EGGS BIG DISCOUNT if ordered now for Spring shipment. Sired by 200 to 293 egg males. Egg bred 26 years. Winners 16 egg contests. Shipped C. O. D. Catalog, special price bulletin, free. Thousands of pullets, hens, cockerels at low prices.
George B. Ferris, 942 Union, Grand Rapids, Mich.

Silver Laced and White Wyandotte Cockerels. Well bred and prize winners, from \$3 to \$5 each.
J. C. PARDEE, Alma, Michigan.

White Wyandottes, Choice Matured Royal Cockerels at reasonable prices. Satisfaction guaranteed.
Fred Berlin, Allen, Michigan.

White Wyandottes, Rose Comb, Eight Months Old cockerel from heavy laying strain.
Owen Hall, 610 N. Rowe St., Ludington, Mich.

FOR SALE: BOURBON RED TURKEYS. Just a few, good early hatched ones.
R. W. ROBOTHAM, Hesperia, Michigan.

HORSES

FISTULA-HORSES CURED, \$5.00. SEND no money until cured.
W. COOK CHEMICAL CO., Barnes, Kansas.

ration. If skim milk is not available it would be desirable to use either some oilmeal or some tankage. In the case of oilmeal I would advise the use of about one pound of oilmeal for each ten pounds of the grain mixture. If tankage was used about one pound of tankage for each fifteen pounds of the grain mixture.—Geo. A. Brown, Professor of Animal Husbandry, M. S. C.

VETERINARY DEPARTMENT

Edited by DR. GEO. H. CONN

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

RICKETS

I would like to ask your opinion in regards to a sow I think she has rheumatism. While she eats good and keeps in good flesh, she is lame in one front leg and at times she seems the same in one or other hind leg. She is about one year old and will weigh 250 or better. Can you advise any cure?—G. S., Mancelona, Michigan.

YOUR sow has rickets and this is caused by her not getting the right kinds of feed; she should have bone building feeds such as clover or alfalfa pasture, skimmilk and tankage. Some minerals would also be of value in overcoming this condition. No medical treatment will help any. Ten lbs. of bonemeal in 100 lbs. of tankage, then 1 lb. of this per day with some middlings in skimmilk should bring recovery in a short time.

CURING MANGE

I have a horse twelve years old that has the mange around the ears and front of head, also a few places on the back. Has had it for about five months but I have only just learned from my veterinary what it was. I thought it a simple skin affection and treated it myself but my veterinary tells me it is mange and as such is well near incurable. Can you recommend any threatement and is it possible to cure mange in horses or would it be better to destroy him?—W. S. W., Mendon, Michigan.

SOAK the scabs off with sweet oil or with warm soap suds; then get some mercurochrome solution of your druggist and a small camel hair brush and paint these areas once each day; this should heal them up but remember it will take some time. This will sting or smart so for that reason it will be nice to use.

GIVES BLOODY MILK

Cow gives bloody milk out of one quarter of bag. Can you prescribe a remedy for her through your department?—E. S. M., Ithaca, Mich.

ALL cows that show udder trouble should be tested for T. B. for so often this class of troubles is due to this disease. If this is not the cause then the next best thing is to draw the milk from the infected quarter with a milk tube that has been boiled before using. Then do not strip the udder as this will give the blood vessels a chance to heal up. If this does not help then dry the quarter up as soon as you can and give it a long rest before she comes fresh again.

FITS

I have a hound puppy three months old that has worm fits. When he starts having these fits he jerks and slobbers, then falls down and kicks, finally gets up and tries to run and is blind. The first two or three fits he had his eyesight came back but not the last one. Would you kindly tell me what I could do for him?—A. M. S., Roscommon, Michigan.

THE impression seems to be held by many people that all fits or convulsions in young dogs is caused by worms, but nothing could be further from the truth. It is true that many are but there are also many other causes for this condition. You might try the following: Potassium iodide, 30 grains; liquor potassii arsenitidis, 60 minims; aqua to make four ounces. Give one teaspoonful night and morning for three or four weeks; skip one week and give for another two or three weeks.

Not How Much Feed?

But How Much Digestible Feed?

A cow of average weight giving 30 lbs. of milk a day needs a little more than seventeen pounds of digestible feed daily, two and a half pounds of which should be digestible protein. She must have this much feed if she is to keep up her own body and at the same time produce the 30 lbs. of milk. Ten pounds of Amco 24% Dairy with 10 lbs. of mixed hay and 30 lbs. of silage furnishes just the right amount of *digestible* feed for your 30-pound-a-day cows. More feed is necessary when a cow gives more milk.

Every ingredient in Amco 24% Dairy has been picked for its feeding value; there is nothing in it just to make weight. As a result Amco 24% Dairy is rich in *digestible* feed and *digestible* protein. In other words Amco 24% Dairy goes further because it is more highly digestible.

The formula of Amco 24% Dairy is public. Every bag carries a tag which gives the exact amount of each ingredient and the *total digestibility*. As the various good feed ingredients shift up and down in price the formula is changed to give dairymen the benefit of the price changes. No change is made, however, which will hurt the quality of the feed or lower its digestibility.

For November, the formula of Amco 24% Dairy is: 320 lbs. Gluten Feed, 320 lbs. Gluten Meal, 300 lbs. Cottonseed Meal, 120 lbs. Linseed Meal, 100 lbs. St. Wheat Middlings, 240 lbs. St. Wheat Bran, 280 lbs. Hominy, 100 lbs. Ground Oats, 160 lbs. Molasses, 20 lbs. Steam Bone Meal, 20 lbs. Ground Limestone, 20 lbs. Salt; 1473 lbs. to the ton are digestible.

A little study of this formula shows that every quality of a good feed is present in its make-up. You will notice it has five sources of protein, all of them excellent. This gives protein quality and variety. It has enough bran to give bulk; molasses to make it taste good to the cows; the right minerals are there in the right quantity.

In Michigan, Amco 24% Dairy is your best buy with average hay and average silage, unless you have home-grown grains. In that case, use Amco 32% Supplement. Both are available through Amco Agents.

AMCO
FEED MIXING SERVICE

American Milling Company, Peoria, Ill.

Poultry Department

(We invite you to contribute your experience in raising poultry to this department for the benefit of others. Also questions relative to poultry will be cheerfully answered by experts.)

Speed up your egg factory

A HEN, to be really profitable, must produce ten times her weight in eggs every year.

That means that your hens must eat not only enough to keep the egg factory going, but enough to supply the material that goes to egg-making.

Look to the appetite and the digestion. Add Dr. Hess Poultry Pan-a-ce-a to the ration—one pound to every 50 pounds of mash or feed.

Right promptly you will see the difference. Hens will begin to sing and scratch and cackle. You will see the good feeling, the good humor and the red combs and wattles—sure signs of pink of condition and of egg-laying.

Pan-a-ce-a is not a feed. It does not take the place of any feed and no feed can take the place of Pan-a-ce-a.

Pan-a-ce-a is not a stimulant. We want you to get that once for all. It is a tonic which gives good health, whets the appetite, improves the digestion. It has a beneficial effect on the nervous system. It tones up and invigorates the egg organs, so that the right proportion of the feed goes to egg-making and not all to flesh, bones and feathers.

Pan-a-ce-a speeds up the egg factory.

Tell the dealer how many hens you have. Get from him enough Pan-a-ce-a to last 30 days. Feed as per directions. If you do not find it profitable, return the empty container and get your money back. We will reimburse the dealer.

Dr. Hess & Clark, Inc., Ashland, Ohio

DR. HESS POULTRY PAN-A-CE-A

MICHIGAN FARM BUREAU POULTRY FEEDS

DEPENDABLE and ECONOMICAL

- Michigan Chick Starter with Buttermilk
 - Michigan Growing Mash with Buttermilk
 - Michigan Laying Mash with Buttermilk
- Make Chicks grow and hens lay

For sale by the local Co-op. or Farm Bureau agent. Insist on Michigan brand. Write for free Poultry feeding booklet. "Dept. D" MICHIGAN FARM BUREAU SUPPLY SERVICE Lansing, Michigan



GLASS CLOTH

Brings Eggs All Winter



Just build a GLASS CLOTH scratch shed onto your hen house and you will get amazing egg yields all winter because GLASS CLOTH admits the sun's energy rays. (Plain glass stops them.) In use by thousands with great success. Ideal for storm doors and windows and porch enclosures. Transparent, waterproof, weatherproof. Send \$5.00 for big roll 45 ft. long and 36 in. wide, postpaid. Guaranteed. Instructions, "Feeding for Eggs" with each order. Catalog illustrating uses on request. (Also sold by many dealers.)

SPECIAL TRIAL OFFER

Bladen, Nebr. Dept. 41
Wellington, Ohio

36 Hens Lay 26 Eggs a Day

Mrs. Smith tells how it's done

"My neighbors couldn't understand why I got eggs all winter and they didn't", writes Mrs. Nannie Smith, Perryville, Mo. Her explanation will interest all poultry raisers. She says: "I was only getting 2 or 3 eggs a day from 36 hens. After using Don Sung, I got as high as 26 a day. Several of my neighbors have started using Don Sung since I showed them my eggs. In addition to laying well, my hens have been in good health ever since. My pullets had Don Sung and laid good all fall—better at their age than any pullets I ever had."

Don Sung, the Chinese egg laying tablets which Mrs. Smith used, are opening the eyes of chicken raisers all over America. The tablets can be obtained from the Burrell-Dugger Co., 255 Allen St., Indianapolis, Ind. Poultry raisers whose hens are not laying well should send 50 cents for a trial package (or \$1 for the extra large size, holding three times as much). Don Sung is positively guaranteed to do the work or money promptly refunded, so it costs nothing to try. Right now is the time to start giving Don Sung to your hens, so you will have a good supply of fresh eggs all winter.



DON SUNG
Chinese for Egg-Laying

FOURTH ANNUAL EGG LAYING CONTEST ENDS

THE Fourth Annual Michigan International Egg Laying Contest came to a close on Saturday evening, October 23rd, after fifty-one weeks of contest laying. The last two weeks of the contest furnished a real thrill when the Hansen pen from Corvallis, Oregon, which had led the contest for 49 weeks, was passed in the 50th week by the pen of J. Pater & Son of Hudsonville, and during the fifty-first week was sent down to third place, when the pen owned by George S. Sutton, Aurora, Indiana, surpassed the Hansen pen's total production by five eggs. The average production for the entire contest for the 51 weeks reached 192.8 per bird, surpassing the best previous average production by 16.3 eggs. The best previous record was made in the Third Annual Contest when the average production in the 52-week contest year was 176.5 eggs. This increase in production of 16 eggs, in a contest shorter by one week than previous contests, is attributed first to the better breeding of the birds entered in the contest, and second to the improved feeding practices brought about by the experience gained through previous contests, and the feeding of condensed milk and cod liver oil during the winter period undoubtedly played an important part in this increased production.

During the Fourth Contest, 190 Barred Plymouth Rocks gave an average production of 178.7 eggs; 130 R. I. Reds gave an average production of 177.8 eggs; 30 Anconas gave an average production of 158.5 eggs; 10 Brown Leghorns gave an average production of 197.5 eggs; and 620 White Leghorns gave an average production of 206 eggs. Ten Buff Wyandottes gave an average production of 144.8 eggs and 10 Barn-

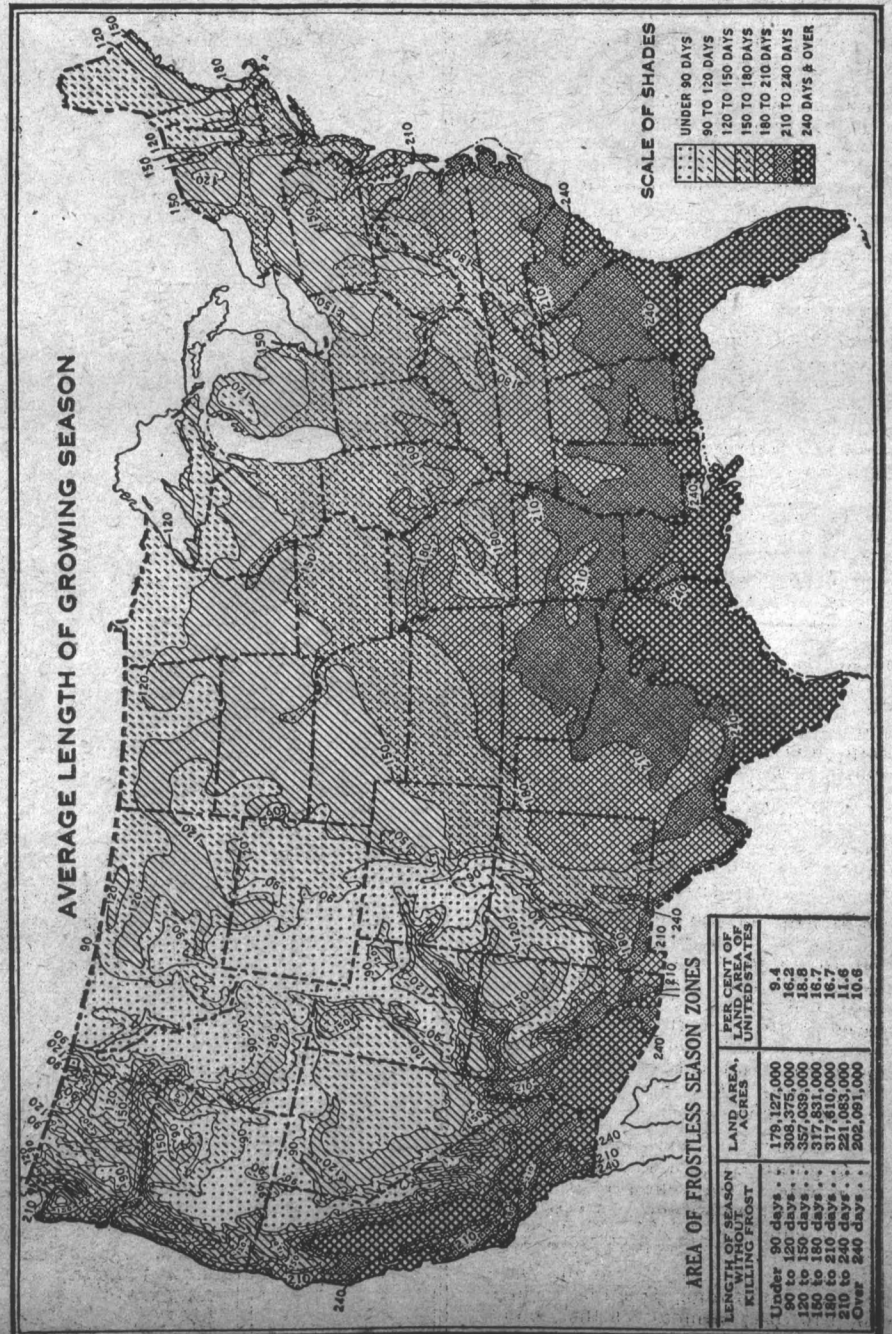
yarders gave an average production of 179.7 eggs.

The ten highest contest pens in the Fourth Contest were as follows, in the order named: J. Pater & Son, Hudsonville; George S. Sutton, Aurora, Indiana; Hansen's White Leghorn Farm, Corvallis, Oregon; Geo. B. Ferris, Grand Rapids; Marshall Farms, Mobile, Alabama; A. E. Virgil, Bristol, Indiana; G. D. Wyngarden, Zeeland; Harry Burns, Millington; P. B. Slack, Bristol, Indiana; and Alex. Stewart Ranch, Santa Cruz, California. The total production of the leading pen was 2,488 eggs, and of the tenth pen was 2,262 eggs. All of these ten leading pens were S. C. White Leghorns. The leading pen of Barred Rocks was owned by the Ontario Agricultural College, Guelph, Ontario, with a total production of 2,288 eggs. The leading pen of Rhode Island Reds was owned by Red Mount Farm, Franklin, Massachusetts, with a total production of 2,101. The pen of Brown Leghorns, owned by Miss Ethel Lindsley of Saline, had a total production of 1,975. The leading pen of Anconas was owned by H. H. Gamp, New Hamburg, Ontario, with a total production of 1,642 eggs.—J. A. Hannah.

CAPONS ARE LESS EXPENSIVE TO FEED

POULTRYMEN who caponize cockerels will usually find that they can obtain a greater cash return from their sale and can hold birds for table use at less expense. Capons are less expensive to feed and fatten than cockerels because they are quiet and can be confined closer. Their meat retains the fine texture and flavor of broiler meat.

It is desirable to thoroughly renovate and disinfect the laying pens in the fall before pullets are transferred to them.



More Egg Money

Make \$1000 a year from 300 hens, like others are doing. Poultry Tribune shows how; explains brooding, culling, feeding management; monthly, 80-100 pages.

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Colored art chicken pictures suitable for framing FREE every other issue. Send stamps or coin today at our risk. Poultry Tribune, Dept. 9, Mount Morris, Ill.

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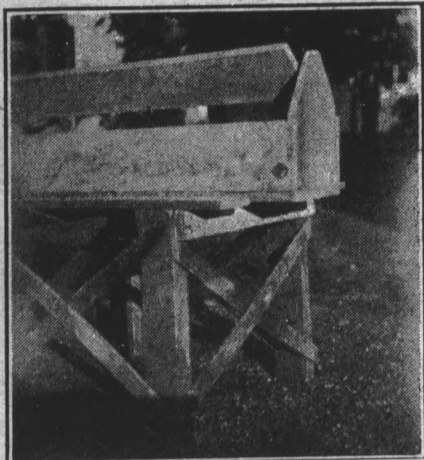
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HAVE YOU POULTRY FOR SALE? AN AD IN M. B. F. WILL SELL IT.

A SIMPLE SELF-FEEDER FOR YOUR CHICKENS

WITH hopper feeding taking an increasingly important part in the care of poultry, the choice or construction of hoppers becomes a matter of no small importance.

A satisfactory hopper must meet the following specifications. (1) It must be so constructed that the birds will not waste and spill the feed; (2) It must be so constructed that the birds cannot get into the feed or alight on the hopper in such a manner that their droppings can fall into the feed; (3) the feed must be accessible to the birds at all times; (4) the feed must be high enough from the floor that litter will not be scratched into it; (5)



Self-feeder for chickens.

lastly, a satisfactory hopper must hold enough to supply the birds for several days.

An open hopper or self-feeder, meeting the above requirements, that can be made by anyone, and is inexpensive, is shown in the accompanying illustration.

The "running boards" (1"x4") on which the birds stand to eat, are about 18" from the floor. The size of the hopper itself can well be 8" or 9" wide with sides 7" or 8" high. The revolving board above the feed suspended by a nail driven through the middle of each end, keeps the birds out of the feed. Also when they attempt to perch on it their weight causes the board to revolve, throwing them off.

The length of the outfit can be made to correspond to the size of the flock. When the length is made to exceed eight feet an extra pair of legs should be provided to support the middle.—H. H. Barnum.

THE BEST POULTRY REMEDIES

THE best remedy for most poultry diseases is a set of common, homely tools,—a broom, shovel, scraper, and spray pump, some crude oil or other spray material, and the necessary energy and initiative on the part of the pock owner to keep the outfit in use. The Nebraska poultry keepers who have made the most net profit during the past four years in the University Record Flock are the ones who use this kind of a remedy to prevent diseases among their flocks. They save the money that other people put into high priced, brightly colored, and strong smelling dopes of doubtful value. The money they save with the old broom, shovel, scraper, and spray pump adds to their net profit. Clean houses, clean feed and water, and clean ground for the chickens to run over are the four points of their profitable businesses.

COCCIDIOSIS

Will you please tell me what is the matter with my chickens and what to do for them? All over the ground and roosts are covered with bright red blood. They just droop around a little while and then die. They have been fed cracked corn, ground oats and buttermilk and water to drink.—Mrs. W. E. H., Marlette, Michigan.

YOUR flock has coccidiosis and this is going to be unsatisfactory to handle. You should clean up and disinfect and remove all affected birds as soon as they can be located. Feed a well balanced ration. The following will do: Ground oats, 100 lbs.; middlings, 150 lbs.; wheat bran, 100 lbs.; oilmeal, 25 lbs.; bone-meal, 15 lbs.; meat scraps, 40 lbs.

Then feed this in a hopper. Give them all the sour milk they will drink. One-half teaspoonful of catechu dissolved in some water and mixed with the feed for a few days will help; this amount would be for about 75 hens. While using this you would not give the mash in a hopper.—Dr. G. H. Conn.

EATING EGGS

Will you please give me some information on why chickens eat their eggs in the spring?—F. W. S., Burr Oak, Michigan.

HENS eat their eggs in the spring of the year because they have been too closely confined. The thing to do is gather the eggs several times each day and turn the hens out as soon as you can; also hang up some green stuff or some meat

for them to pick at to keep busy; also might be well to scatter a little grain in deep litter several times each day.—Dr. G. H. Conn.

TOP O' MICHIGAN POTATO SHOW
(Continued from page 4)

Class 9—All Other Late Varieties, 60 Pounds Certified Seed

Peter McVannel, Gaylord, only entry.

Class 10—All Early Varieties, 60 Lbs.

1st—J. D. Robinson, Pellston; 2nd—Charles Herron, Alpena; 3rd—Ernest Pettifor, Gaylord.

Class 11—Beginners Special

1st—Ira Cole, Alanson; 2nd—Dale Horn, Alanson; 3rd—Clare Warner, Gaylord.

Class 12—Bay City Times Tribune Special

(Best Bushel Baking Potato)
1st—John Allis, Gaylord; 2nd—Ed. Sutton, Central Lake; 3rd—R. J. Gerhke, Osineke.

Class 13—Best Potato

Theron Sutton, Central Lake.

Class 14—Best Exhibit, By One Club

1st—Hayes Township Potato Club, 2nd—Alpena County Potato Club, 3rd—Five Lakes Potato Club. State Department of Agriculture Special

(Potato Grading Exhibit)

1st—Harbor Springs High School; 2nd—F. E. Wyrick, Alanson; 3rd—Irvin Cole, Alanson.

The breeding of a cow cannot be changed so if she produces more milk the roughage and grain must account for it.

FREE Send for FREE Booklet describing instruments fully, details of Club Plan Offer, Special Club Prices and Terms. It costs you nothing to investigate this wonderful opportunity. New Club now forming. Send coupon today!



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With a Cable Player you can play your favorite music just as you want it played. The expression is yours as truly as if you were playing by hand.

You have the best music always ready for your friends. You can play the latest popular songs or the old time favorites as well as any famous pianist. The words are clearly marked and easy to follow.

Besides, when you fold back the pedals and close the front panel, no one can tell that it isn't an Upright Piano. It is a clear-toned, beautiful instrument for the children to practice on.

HOW THE MICHIGAN BUSINESS FARMER PIANO CLUB —BENEFITS YOU—

1. You receive the Piano for Free Trial in your own home, and a guarantee of full and final satisfaction.
2. You are allowed a special plan of easy time payment with a small initial payment that any home can afford.
3. You are not charged for freight; factory delivers to your home, all charges prepaid.
4. You have the privilege of a Free Course in Music Lessons for any member of your family.
5. You are given unrestricted exchange

privilege within a year with full credit for what you have previously paid.

6. You are allowed the choice of the very latest models in Grand, Upright or Player—all highest quality guaranteed instruments.

7. You receive a binding, long-time warranty, insuring you absolute satisfaction.

8. Your family is relieved of any further payments if member dies.

9. You deal direct with the world's Greatest Piano Factories—saving you \$90 to \$140 on a highest quality piano.

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After you have selected the instrument you want and made a very small initial deposit, the piano is immediately shipped to your home, direct from the factory, by prepaid freight and you may use it for thirty days. If you like this instrument and then want to keep it, the balance is paid in convenient monthly installments to suit your pocketbook. If the piano is not satisfactory, it is returned to the factory, at their expense, with no further obligation on your part. The Club and the factory guarantees your entire satisfaction.

YOU BUY DIRECT FROM THE GREAT CABLE FACTORIES

By buying direct from the Cable factories, you eliminate all extra handling and special profits, thus saving from \$90 to \$140 on a Grand, Player or Upright.

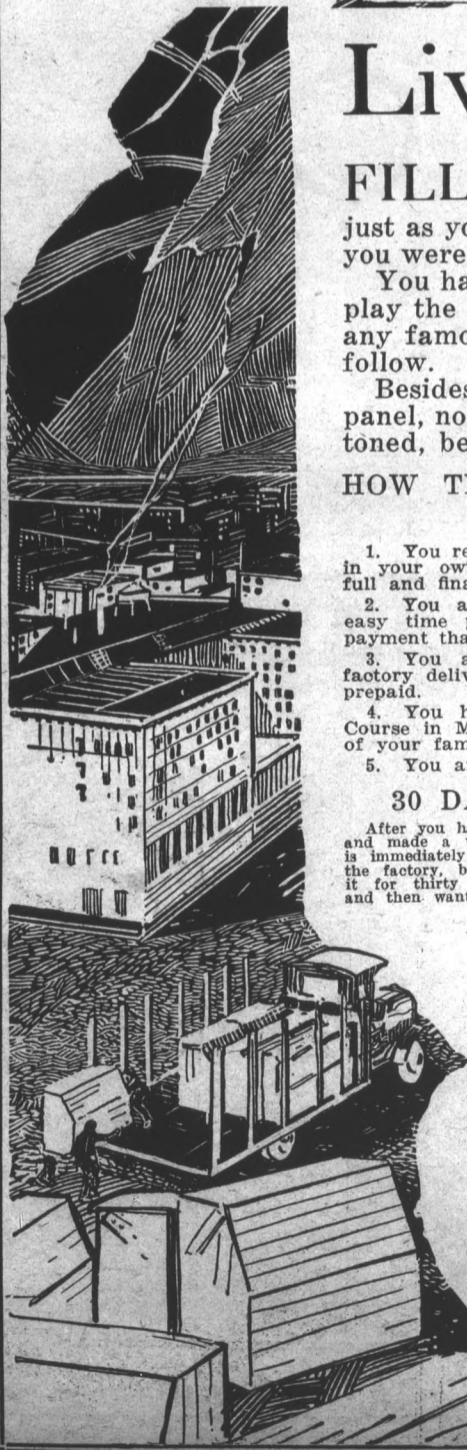
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This is a new improved Club Plan, which entitles Club members to purchase a high grade, fully guaranteed, Cable-made piano, direct from the factory, at rock-bottom factory prices, thus eliminating the usual dealer profit, and saving you from \$90 to \$140, depending upon the style of instrument selected. A Club is now forming and requires 100 members, but it costs nothing to join the Club—all you have to do is fill out the coupon below and mail it. You will then receive complete details of the plan and your name entered as a Club member. The Club's entire order is then sent to the factory, and this is why the new Club Plan saves you so much money—you deal direct with the manufacturer instead of thru a local dealer.

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Please send full details of the Michigan Business Farmer Piano Club without obligation to me.
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MARKET FLASHES



Large Supply of Cattle Coming to Market

Hog Prices Hit Lowest Level of This Year

By W. W. FOOTE, Market Editor.

It is getting late in the year, and farmers have been marketing such cattle and hogs as they did not care to carry into the winter period, this resulting in glutted markets and marked price reductions in Chicago and elsewhere. Stinging cold weather has checked the hitherto serious ravages of the dreaded hog cholera, which had meant big losses to stock feeders, but recently the large declines in prices for matured hogs cut severely into the profits which the owners had confidently looked forward to. Owners of cattle in feeding districts have marketed extremely large numbers of short fed kinds, but shipments of good fat steers and heifers are not burdensome as a rule. Indications look promising for stockmen who engage this winter in feeding well-bred steers, as all reports indicate that the business in most districts is not likely to be overdone. Probably, the hog breeding industry will go forward actively, for there is an abundance of old and new corn to be fed on the farms where grown. If figures mean anything at all, it is well to study the official report of the market receipts of cattle, hogs and sheep in the seven leading western packing points. They show that for the year to late date the combined receipts of cattle amounted to 9,992,000 head, comparing with 9,626,000 a year ago; while the receipts of sheep and lambs aggregated 10,588,000 head, comparing with the 9,160,000 for the like period a year ago. On the other hand, the hog receipts fell off to 16,042,000 head, against 21,723,000 a year ago. There is not much activity in the wool trade, and in the Boston market Ohio and similar fleeces sell for 46 cents per pound. One of the greatest sales of draft horses of superior quality in recent year was held in Chicago a few days ago, about 400 horses being sold at auction. One consignment of 29 horses brought an average price of \$350 each, and one horse sold for \$485. Such prime horses are seldom shown in the market.

A Fair Corn Crop

There is going to be plenty of corn to meet all requirements, and it is to be hoped that farmers will feed the principal part of their crop on the farm. According to the November crop report issued by the United States Department of Agriculture, the corn harvest will approximate 2,693,963,000 bushels, and it compares with 2,905,053,000 bushels raised last year. The five year average crop is 2,849,189,000 bushels. Stocks of old corn on the farms on November 1 were 181,000,000 bushels, comparing with 60,952,000 bushels a year earlier, and the carry-over this year is going to be one of the largest on record. The production of wheat, corn, oats, rye and barley in the United States this year is placed at 5,054,827,000 bushels, against 5,350,535,000 bushels last year. Flaxseed production this year is placed at 18779,000 bushels, compared with 22,018,000 bushels harvested last year.

Fair Prices for Wheat

It is difficult to bring about any marked advance in the price of wheat, and after moderate upward movements in wheat for December delivery the pendulum swings backward, waiting for renewed speculative buying. Much of the time in recent weeks prices have hung around \$1.42, being about 10 cents lower than a year ago, and market prices were high enough to induce farmers to part with a good deal of their new wheat. For some time the visible wheat supply in this country has been growing, and a short time ago it amounted to 72,431,000 bushels, while a year ago it was down to 43,193,000 bushels. In some sections millers are grinding considerable soft wheat, this being especially true of Pennsylvania and New Jersey. Such millers are said to be doing a good business and underselling Ohio and Indiana millers by

about 75 cents a barrel. These as well as Ohio millers are buying the wheat from farmers. Corn prices are held down by the large marketing of old corn, which is due largely to the need of providing room for storing the new crop. Choice oats are scarce, and No. 2 white oats sell at a fair premium, while rye is a short crop and sells unusually high.

Large Marketing of Cattle

Large numbers of cattle have been marketed in Chicago recently, supplies most of the time being much larger than at corresponding dates in recent years, and almost invariably on Monday market is glutted

last winter, and they are expected to go to market largely in December, January and February. Many "come-back" lambs are coming back to market after a short feed, and they are losing lots of money for their owners who depended on a grass diet.

WHEAT

Lower prices rule in the wheat market and the tone appears to be bearish. Considerable wheat will be marketed within the next six weeks to take care of taxes and purchasers know that, so demand is not very active. Reports from Canada indicate the crop better than expected and they will have more grain to export this year than last.

CORN

Michigan's corn crop is yielding better than the 10-year average but

M. B. F. MARKET REPORTS BY RADIO

EVERY evening, except Saturday and Sunday, at 7:05 o'clock, eastern standard time, The Michigan Business Farmer broadcasts market information and news of interest to farmers through radio station WGHP of Detroit. This station operates on a wave length of 270 meters.

and more or less lower. Recent sales were made of beef steers at \$7.50 to \$12.50, with the bulk of the sales at \$8.50 to \$11.25, and yearlings the best sellers. The best heavy steers brought \$11. A year ago steers sold at \$7 to \$14.50; two years ago at \$6 to \$12 and three years ago at \$5.75 to \$12.65. Stockers and feeders have had a good sale at \$6.25 to \$8.45, largely at \$6.50 to \$7.75, with stock and feeder cows and heifers at \$4.25 to \$6.

Hogs Plunge Downward

Prices for hogs in the Chicago market have slumped recently to the lowest prices of the year or extremely large receipts. The year's marketings at western packing points are enormously less than in recent years, but late supplies reached such generous proportions that it was impossible to maintain prices. There were late sales at \$9.75 to \$11.75, weighty lots going highest. Recent receipts averaged 239 pounds, the lightest of the year, and comparing with 243 pounds a year ago. In an August week the average was 38 pounds heavier than recently. Prices closed as low as a year ago.

Lamb Feeding Popular

According to the Department of Agriculture, more sheep and lambs are going to be fed this winter than

several bushels per acre under a year ago. Total production for the state is estimated at slightly over 54,000,000 bushels, with 55 per cent merchantable. Supplies, mostly from the old crop, have been heavy forcing prices down.

OATS

While other grains were working downward oats showed little change. Some are predicting lower prices, others are inclined to feel this grain is good property to own.

RYE

Rye has sympathized with wheat, as it usually does, and prices are down.

BEANS

Continuous wet weather has certainly reduced the bean acreage and yield in this state. Around the first of this month only about one-half of the crop in the Thumb district had been harvested and since that time there has been little weather that would permit handling beans so there is reason to believe that at least a large part of this fifty per cent was left in the fields. We believe that the merchantable crop will show a large decline over that of last year.

POTATOES

The late potato crop has yielded well and better than was expected, although there were quite a few acres lost because they froze in the ground. Total production is around 4 million bushels greater than in 1925 when prices went to high levels. It is said that farmers are finding this year's crop more profitable than last year's because they are benefiting from the good prices while last year it was the buyers who held most of the crop and took the profit.

DETROIT BUTTER AND EGGS

Butter is firm with best creamery in tubs 41@44 1/2c per lb. Eggs are steady to firm with fresh receipts at 44@49c per doz. and cold storage 30@34c.

DETROIT LIVE POULTRY

Everything but hens has been firm with higher prices in some lines. The following prices are commission merchants gross returns from which a 5 per cent commission and transportation charges are deductible: Springs, fancy, 4 pounds and up, 24@25c; medium, 23c; Leghorns, 21c; blacks, 17@18c. Stags, 18@19c; Hens, 5 lbs up, 25c; 4 lbs up, 23c; Leghorns and small, 17c. Ducks, white, 4 1/2 lbs up, 25c; smaller or dark, 21@22c. Geese, 21c. Turkeys, young, No. 1, 8 lbs up, 39@40; No. 2, 25@30c; old toms, 30c. Pigeons, \$2.00 doz.

WOOL

Raw wool prices closed at Buffalo last week stronger than they began, thanks largely to the evidence of strength in foreign markets. Domestic wools are more active with fine and half-blood selling best.

Prices for fleece wool delivered at Detroit are: Three-eighths, quarter, half-blood and delaine, 41c; rejections, 31c lb.

LIVE STOCK MARKETS

MICHIGAN CENTRAL STOCKYARDS, DETROIT, Nov. 16.—Cattle—Market steady on good, very slow on common. Good to choice yearlings, dry fed, \$10.50 @11.75; best heavy steers, dry fed, \$8.50 @10; best handy weight butcher steers, \$8@8.50; mixed steers and heifers, \$6@7; handy light butchers, \$6@6.50; light butchers, \$4.50@5.25; best cows, \$5@5.75; butcher cows, \$4.25@4.75; common cows, \$3.75@4.25; canners, \$3@3.50; choice light bulls, \$6@6.50; heavy bulls, \$5.50@6.50; stock bulls, \$4@5; feeders, \$6@7; stockers, \$5.50@6.50; milkers and springers, \$5@9.00.

Veal Calves—Market steady. Best, \$15; others, \$8@14.50.

Sheep and Lambs—Market steady. Best lambs, \$13@13.25; fair lambs, \$10@11.50; light to common lambs, \$5@9; buck lambs, \$5@12; fair to good sheep, \$5@6; culls and common, \$2@3.

Hogs—Market prospects. Mixed hogs, \$11.75.

EAST BUFFALO, N. Y.—(United States Department of Agriculture)—Hogs—Active; few medium weight butchers 25c higher, others steady; bulk 170 to 240 pounds, \$12.25; few \$12.10; pigs and light lights mostly \$12.25@12.50; packing sows largely \$10@10.25. Cattle—Nominal. Calves—Active, steady; top veals, \$15; culls and common kinds, \$9.50@11. Sheep—Slow; odd cull lambs steady at \$9.50@10; choice fat lambs nominally quotable \$14 or steady.

CHICAGO—Moderate trading in all branches of the livestock trade prevailed Saturday. Supplies during the week exceeded the previous week's receipts and brought a decline in the hog and sheep values, but the cattle trade held steady to higher prices.

The total supply of cattle for the week was 79,500, being 11,000 more than a week ago. Light steers and yearlings held well.

DETROIT CITY MARKET QUOTATIONS

Apples, fancy, \$2@3 bu.; No. 1, \$1.25@2 bu.; No. 2, 75c@1 bu.; beets, 40@60c doz. bchs., 75c@1 bu.; cabbage, No. 1, \$1@1.25 bu.; No. 2, 75@90c bu.; red, \$1.25@1.50 bu.; savoy cabbage, 75c@1 bu.; Kal. celery, No. 1, 60@75c doz.; No. 2, 25@40c doz.; local celery, No. 1, 40@60c doz.; No. 2, 20@35c doz.; carrots, 50@70c doz. bchs.; carrots, 75c@1.25 bu.; mustard, 50c@1 bu.; kohlrabi, 50c@60c doz. bchs.; hothouse lettuce, 70@75c 6-lb. basket; endive, 50c@1 bu.; dry onions, \$1.25@1.50 bu.; root parsley, 40@60c doz. bchs.; curly parsley, 50@60c doz. bchs.; potatoes, No. 1, \$1.53@1.70 bu.; No. 2, \$1@1.25 bu.; sweet peppers, green, \$2@3 bu.; red, \$1.50@2.50 bu.; spinach, No. 1, \$1.25@1.50 bu.; No. 2, 75c@1 bu.; turnips, \$1.25@2 bu.; turnip tops, 40@60c bu.; Hubbard squash, 75@90c bu.; pears, No. 1, \$1.25@2 bu.; No. 2, 75c@1 bu.; lima beans, 60@70c quart; leeks, 50@75c doz. bchs.; parsnips, No. 1, \$1.50@2 bu.; romaine, 75c@1 bu.; butter, 60@75c lb.; pumpkins, 50@75c bu.; veg. oyster, 75c@1 doz. bchs.; root celery, \$2 bu.; celery cabbage, \$1@2 bu.

THE BUSINESS FARMER'S MARKET SUMMARY

and Comparison with Markets Two Weeks Ago and One Year Ago

	Detroit Nov. 16	Chicago Nov. 15	Detroit Nov. 1	Detroit 1 yr. ago
WHEAT—				
No. 2 Red	\$1.39	\$1.37	\$1.43	\$1.74
No. 2 White	1.40		1.44	1.75
No. 2 Mixed	1.38		1.42	1.74
CORN—				
No. 2 Yellow	.75	.68@.68 1/2	.80	.95
No. 3 Yellow	.74		.79	.94
OATS—(New)				
No. 2 White	.49 1/2	.44@.45	.52 1/2	.44
No. 3 White	.47 1/2	.40 1/2@.42 1/2	.50 1/2	.43
RYE—				
Cash No. 2	.94	.96 1/2	.97	.87
BEANS—				
C. H. P. Cwt.	5.10@5.15		5.25@5.30	5.05@5.10
POTATOES—				
(New) Per Cwt.	3.00	2.25@2.35	3.16@3.34	3.30@3.65
HAY—				
No. 1 Tim.	19@20.50	20@21	19@20.50	24.50@25
No. 2 Tim.	16@17.50	18@20	16@17.50	21@22
No. 1 Clover	16@17.50	23@25	16@17.50	20@21
Light Mixed	18@19.50	20@22	18@19.50	23@23.50

Tuesday, November 16.—All grains appear bearish. Potatoes somewhat easier. Butter and eggs unchanged. Bean market unchanged.



Week of November 21

EARLY part of week beginning November 21st in Michigan will be unsettled to stormy with showers or snow flurries. Temperatures during first half of the week will range below the seasonal normal.

Along about Tuesday the weather is expected to clear off but during and immediately after the middle to the week weather conditions will again become unsettled. Threatening conditions with much wind and bluster will continue more or less throughout the balance of the week.

As the end of the week draws near there will be a rapid moderation in the temperature and some high readings will be in force by end of this or first part of next week.

Week of November 28
Warm weather for the season is scheduled for early part of this week in Michigan. Temperatures will probably reach close to the 70 to 75 degree mark. The storm area following this warm wave will not offer much precipitation as it passes over the state. Following the passage of this storm temperatures will fall rapidly. This will begin during middle part of week and readings will register below freezing within a few days after the high degree mark. Weather during latter part of this week will average fair and dry.

December Will be Cold
More than the usual amount of cold weather is expected for Michigan during December with some more or less sudden extremes.

The precipitation will be less than normal over the most parts of the state and there will be more than the usual amount of sunshine.

GREAT PLANS MADE FOR FRUIT MEN'S CONVENTION
(Continued from page 3)

Horticulture of the Ohio Experiment Station; R. G. Phillips, secretary of the International Apple Shippers Association for the last 15 years; and William Meikle, apple grower from the State of Washington. Wednesday's speakers include: V. R. Gardner, Professor of Horticulture at our own agricultural college; Ralph Rees, horticulturist for the New York Central Lines; Prof. R. H. Pettit, of M. S. C.; and A. J. Rogers. The meeting will be addressed on Thursday by many good speakers including: John W. Gorby, executive secretary of Apples For Health, Inc.; R. D. Willoughby, manager of the Mountain View Orchards, near Romeo; and F. P. Culliman, horticulturist from Purdue, Ind. On the closing day W. F. Rofkar of Ohio and U. P. Hedrick of New York will be on the program along with several others not quite as well known in a national way. A banquet is scheduled for the evening of December 1st.

Both production and marketing will be the leading topics of the meeting and considerable time is also going to be given over to discussing

ANTI-FREEZE VOLUME TO PROTECT ENGINES

FOLLOWING table shows what parts of either glycerine or denatured alcohol should be used with the water in your car's cooling system to keep it from freezing at designated temperatures:

Per cent by volume	Down to Degrees Fahr.
10	30
20	20
30	10
35	0
40	-5
45	-10
50	-20

the roadside market and advertising fruit to increase the consumption.

The 1926 Apple Show promises to be the best one that the Michigan State Horticultural Society has ever held, even though 2 years ago did set a very high mark to shoot at. There are a total of 136 classes given in their premium list and entries are expected in all of them. R. W. Rees and Prof. J. H. Gourley have been secured to act as judges.

It is good practice to treat timbers that are exposed to the weather with creosote to prevent decay.

Records and accounts are as important on a farm as they are in a wholesale grocery business. Are you keeping a set of accounts?

Uncle Ab says the men who do the most and talk the least not only get the best results, but they have more to talk about after they are done.

Follow the price movements when buying feed, fertilizers, and other articles that are large items of expense on the farm if you want to make each dollar do the most that it can.

CANCER—FREE BOOK SENT ON REQUEST

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

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Red Strand "Galvanized" Square Deal Fence

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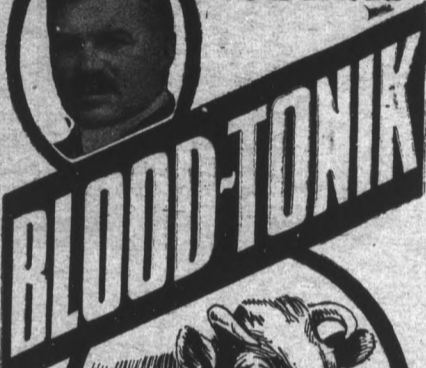
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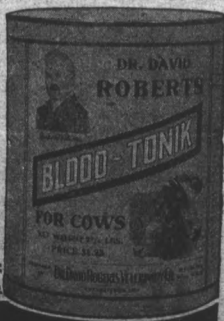
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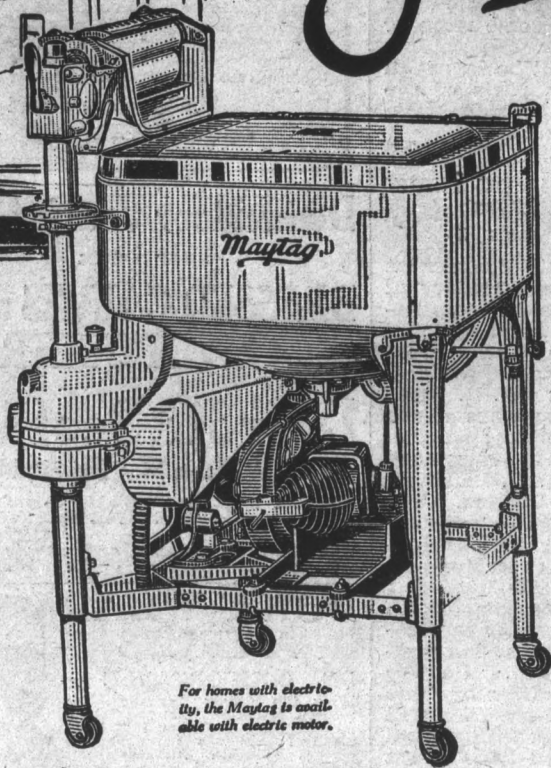
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