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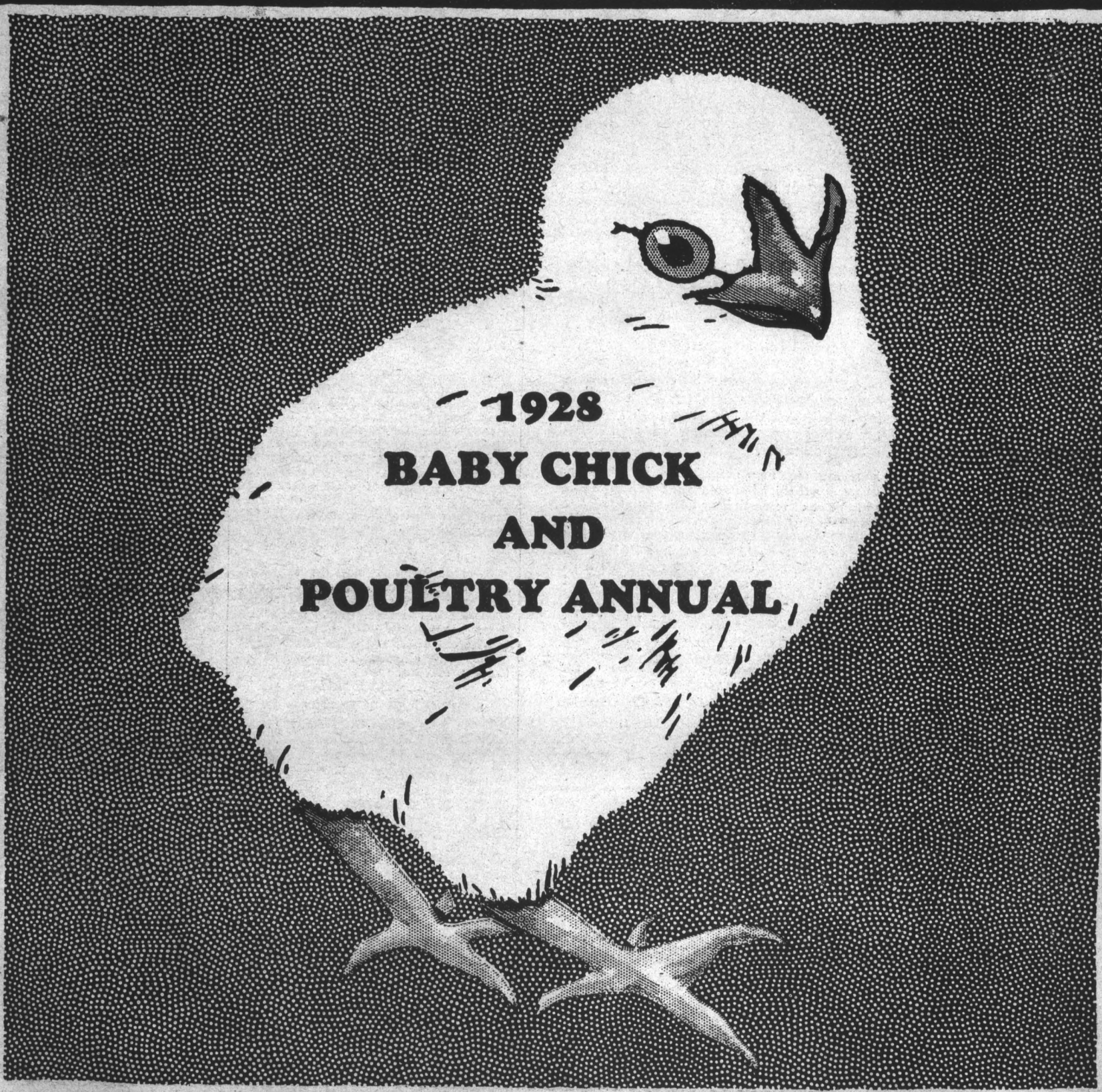
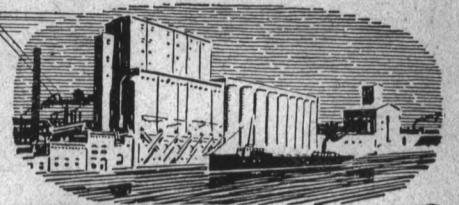
VOL. XV, No. 15

MARCH 31, 1928

The Michigan **BUSINESS FARMER**



*An Independent
Farm Magazine Owned and
Edited in Michigan*



1928 BABY CHICK AND POULTRY ANNUAL

Michigan's Five Million Dollar Baby!

In this issue: Story About Organizing "Minute Men of Michigan"—"Predicts 1928 Will be a Good Poultry Year," by Prof. C. G. Card, of Michigan State College—Prof. J. A. Hannah Discusses Shed-Roof Brooder House—"An Agricultural Teacher and A Flock of Leghorns That Went to School"—Also Articles on Feeding and Raising Baby Chicks and Many Other Subjects of Great Interest to Poultrymen

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OTTAWA EGG ASSOCIATION HANDLES 500 CRATES DAILY

MEMBERS of the Ottawa Egg and Poultry Association have found how Pacific coast farmers can ship their eggs 3,000 miles to market and still demand top prices, and they have also found a way to sell their eggs at Pacific coast prices.

Since the association began operations Jan. 23, it has been grading the farmers' eggs into four grades. The large, clean and clear eggs are being graded as "henery whites or browns." These eggs are selling on a par with the Pacific coast product. The smaller eggs are being packed as "standards" while the dirty irregularly shaped and cracked eggs are being packed as "trades" and "checks."

The association's entire output from 400 farms has been contracted by a Chicago produce house. The eggs are sold on a pool basis. Net prices to growers from the first 14-day pool averaged 4 cents a dozen over local quotations for the same period, according to Al Otteman, general manager.

About 500 cases of eggs are being shipped each week. As soon as the hatching season closes, Otteman expects the shipments will increase to 800 or more cases a week. The association now is handling the eggs at a sales cost of 4 cents a dozen and Otteman hopes to shave a cent off the overhead cost as the volume doubles.

Approximately 50 per cent of the eggs now meet the henery grade requirements. The poultrymen are being impressed with the necessity for producing clean eggs and Otteman believes the henery eggs soon will approximate 75 to 80 per cent.

The association has 24 receiving stations within a radius of 15 miles of Zeeland. For the most part these stations are the country stores at which farmers do their trading.

Country merchants at first were opposed to the cooperative, fearing they lose contact with the farmers through the loss of the egg business. The association has overcome this situation by using the stores as receiving stations, paying the merchant seven and one-half cents a case to cover storage and handling or three-fourths of a cent a dozen if the merchant would deliver the eggs to the central packing warehouse in Zeeland.

Several hatcherymen in the Zeeland section are having producers send their eggs through the association's warehouse. They are filling their incubators with only henery whites or brown eggs. The standards, trades and checks are sold through the association.

SILVER CUP AWARDED IN WINTER EGG RACE

THE silver cup awarded for high winter egg production in the International Egg Laying Contest at Michigan State College goes to W. C. Eckard, Paw Paw, whose pen of White Leghorns produced 840 eggs from November 1 to March 1.

Another pen of White Leghorns owned by W. A. Downs, Washington, ran the winners a close race and finished second only 4.6 points behind the winners.

CORRECTION IN CORN BORER REGULATIONS

THE regulations for the suppression of the European corn borer in Michigan for the fall of 1927 and the year 1928, issued by the State Department of Agriculture, contained an error.

The rules and regulations provide that between May 1st and July 10th of this year, no portion of such material or trash in condition to harbor living corn borers shall appear on the surface of the field after it has been plowed, or disced, or harrowed, or planted, or cultivated. Under "Condition D" in these regulations the dates appear as "May 1 to June 1." They should read "May 1 to July 10."

AIN'T SEEN NOTHIN' YET

The schoolmaster wrote on the back of a boy's monthly report: "A good worker, but talks too much." The father signed the report and then wrote under the remark of the schoolmaster: "You should meet his mother."

Use this big HEALING package

Bag Balm, the great healing ointment quickly heals cuts, chaps, cracked teats, inflammation, bunches, caked bag.

Bag Balm penetrates quickly; restores brisk circulation. Easy and pleasant to use; cannot taint the milk. Scores of emergency uses for healing—with animals or in the home. Big 10-ounce package 60c at general stores, feed dealers, druggists. Mailed postpaid if hard to obtain locally. Booklet, "Dairy Wrinkles" free on request.

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\$34.90 Buys 11-4 H. P. Engine Galloway's "Ready Andy." Nothing like it in construction, improvements and operation. No other so low in price. All other engines at proportionately low prices 2 to 15 H. P. Portable or Stationary. Get FREE Catalog. Shipments made F. O. B. our nearest distribution point.

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ONLY \$3.50 PER MONTH to own a Galloway Separator. No extra. Every machine guaranteed a lifetime against defects in material and workmanship.

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Early Yellow Clarage and White Cap; excellent yielders and sure to ripen before the early frosts, so prevalent in many sections. Choice seed bu. \$3.25; 5 bu. \$3 per bu.; 10 bu. or more \$2.75 per bu. Send for samples and circular.

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ARMY MACHETE BOLO \$1.50



with 15 inch heavy blade, sharp edge, with scabbard \$1.50 POSTPAID. Illustrated catalog, 350 pages, issue 1927 at 50 cents; shows saddles, high power rifles, tents, coats, helmets, haversacks, etc. Special circular for 2c stamp. Established 1865.

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Published Bi-Weekly at
Mt. Clemens, Michigan

"New to the line, let the chips fall where they may"

The Michigan BUSINESS FARMER

Title Registered U. S. Patent Office

SATURDAY, MARCH 31, 1928

GEORGE M. SLOCUM
Publisher

MILON GRINNELL
Editor

Entered as 2nd class matter,
Aug. 22, 1917, at Mt. Clemens,
Mich., under act Mar. 3, 1879.

Predicts 1928 Will Be a Good Poultry Year

Farmers Should Buy Good Chicks and Give Them Proper Feed and Care

By PROF. C. G. CARD

Department of Poultry Husbandry, M. S. C.

THE number of laying hens and pullets on January 1, 1928, probably was not much different from that of January 1, 1927. Feed grains and mill feeds, which enter the ordinary rations used by poultrymen and which constitute the principal items of cost in poultry farming, will probably average somewhat higher in price during the first six months of this year. The low storage holding of eggs on January 1 and the favorable outcome of the 1927 storage season, are factors which should result in better egg prices during the coming year.



Prof. C. G. Card

The holdings of dressed poultry on January 1, 1928, were considerably lighter than on the corresponding date in 1927. With supplies lighter and with the prospective demand fully as strong as during the year just closed, the prospects of a higher level of prices for the principal classes of poultry, both dressed and alive, appear favorable. Storage holdings of frozen poultry have been

below those of the previous year since October 1, and as the storage season progressed they fell further and further behind until January 1, 1928, they were about 27,000,000 pounds, or 18 per cent, lower than at the same date last year and less than 1 per cent above the five year average.

Over 90 Per Cent Keep Poultry

I recently clipped an item from a paper which read, "In 1920 poultry was raised on 90.8 per cent of the farms in United States. The percentage of farms keeping hogs in the same year was 75.2 per cent, dairy cattle 70.8 per cent, beef cattle 28.6 per cent and sheep 8.4 per cent.

The value of poultry and eggs produced in the United States in 1923 was \$1,047,000,000, cattle \$924,000,000, wheat \$726,000,000; fruit and fruit products \$681,000,000; oats \$539,000,000, tobacco, \$299,000,000. The above figures were prepared by the U. S. Department of Agriculture, Washington, D. C.

The poultry industry in Michigan has kept pace with other sections of the country. The result being that Michigan now ranks 10th or 11th in

value of poultry industry. This is a rating of which we are proud, and we should attempt to improve. Many times during the past few years we have attempted to analyze the industry to determine the future. Personally I believe that the future of the industry depends upon our yearly success in the business. If we can so grow chicks, that they develop into the best possible pullets and laying stock, and if this stock is so bred that we receive a high yearly egg average, then the future will be bright.

Source of Chicks

The source of the chick is an important factor. There are, however, so many possible sources that the average buyer of chicks is often confused. To protect and promote the poultry industry, the Michigan State Poultry Improvement Association was organized in 1925. The first work undertaken by the organization was a branch organization of hatcherymen. The branch developed so rapidly that today the accredited hatcheries comprise about 60 per cent of the hatcheries of Michigan. The flocks from which these hatcheries

receive eggs, are carefully culled, leg banded and inspected. The advertising of the hatchery is read by a "Board of Censors." The incubator must be operated under sanitary conditions and eggs placed in the incubator must be of proper color and average to weigh 23 ounces to the dozen. Chicks received from an accredited hatchery should therefore qualify for our first requirement, 'A Good Source.'

The poultry business has increased so rapidly that many people become excited and attempt to become poultrymen without proper apprenticeship. Probably no branch of animal husbandry requires so much care as poultry. Thus the beginner, if not properly versed, suffers heavy losses and becomes discouraged. We advise that one contemplating the business make a careful study of it. Bulletins may be obtained by writing the poultry Department, Michigan State College East Lansing, Mich.

In Michigan, as in many other central states, the poultry is on the general farms rather than on the large commercial plants. The farmer is therefore the poultryman, but in many cases he has not recognized his or their poultry in a business light. During Farmers' Week, a

(Continued on Page 26)

Do You Stand Ready to Protect Lives and Property of Farm Families?

IT is mighty comforting for the city-dweller to hear "the measured beat of the policeman's feet, as he passes down the street" on his regular rounds through the night, but what of the farmer isolated far out in the country?

Worthy sheriffs, prosecutors and their deputies have puzzled for years as to how the farmer and his family could be given greater protection.

The coming of the automobile and good roads brought problems which made even the pioneers' stories of Indian atrocities seem pale and insignificant. Relentless warfare on the part of well organized city police and able detectives have driven the crooks and thugs from the urban to the rural districts. The farmer and his family face a new problem—a menace to their comfort and happiness which cannot be passed over lightly or avoided!

A New Strong Arm

From every corner of Michigan have come the letters commending the announcement in the last issue of THE BUSINESS FARMER of the completion of plans for the organization of the able bodied, active farmers of Michigan, into a great brotherhood pledged to uphold the laws, and to aid the duly appointed arms of the law in the protection of farm lives and property.

It is next to useless for a county sheriff and a few deputies to try to stem the tide of ever-increasing depredations on farmers' property. Many of the worthy men assuming the important responsibilities of the sheriff's task in this State have commended this far reaching plan to give them a strong arm of reinforcement which they can call upon to help them locate a gang of marauders or aid in their capture. Several have proposed that a limited number of the Minute Men in each township should be sworn in as deputy sheriffs and thus form a net-work of officers covering every township and within easy call of the most isolated farm family in time of emergency.

It has been suggested that at least five men be selected from the members of the Minute Men in each township and that they be deputized by the sheriff of the county. They in turn, could call quickly to their ranks, the other Minute Men in their neighborhood, so that in case of need, every road in a given territory could be quickly guarded.

Just as every poison has an antidote, so the modern bandit in his swift steed, the automobile, has an even more fleet-winged enemy in the telephone and radio. Few farms there are in Michigan today which are not equipped with either or both of these modern conveniences.

The modern Paul Revere then, may sound the alarm in the twink-

ing of an eye to every Minute Man in a county! No matter what the roads or what the weather, electricity can be counted on to carry the message in every direction, but of what avail if the arms of the law not sufficient to plug up every avenue of escape?

Daring and heedless of danger must the crook be who would dare to attempt the robbery of a farm home or barn, if he knew that in a twinkling of an eye, from half-a-hundred surrounding farms, Minute Men, properly organized and deputized to protect their rights, would rush forth at the simple cry—ALERT!

A Natural Evolution

The organization of the Minute Men is only the natural evolution of the campaign begun in 1926 by THE BUSINESS FARMER to drive the farm thieves out of Michigan. We were aroused first, by the reports of chicken thievery which had reached such a point of terrorization, that farm women actually dread seeing their flocks become of marketable age and often sold them before they had reached full weight, rather than run the risk of having an entire season's patient labor stolen in a night!

Our rewards for the capture of chicken thieves quickened the actions of county sheriffs and their deputies, called the attention of prosecutors and judges to the growing menace and so started a wave of publicity which has in the past two years greatly lessened, if not practically curtailed, this particular kind of thievery.

Alert to the Needs!

Last year THE BUSINESS FARMER extended its campaign to include live-stock and grains. Early this year an additional two thousand dollars (\$2000) was posted, the rewards for all kinds of thievery from the farms of our readers increased to fifty dollars (\$50) each and the rules extended to include even auto-

(Continued on Page 26)



The Michigan Business Farmer announces "The Minute Men"

"By the rude bridge that arched the flood,
Their flag to April's breeze unfurled.
Here once the embattled farmers stood
And fired the shot heard round the world."

Motto: "Alert!"

Purpose: To protect the lives and property of farm families.

Pledge: "Pledging my allegiance, first to the United States of America, I promise to stand ready, at any time, to give my full services for the lawful protection of the lives or property of any neighboring farmer or his family within a radius of twenty-five miles from my own home, so help me God!"

Obligation: Only to live up to the pledge made, to the best of your ability and without any further promise of recompense.

Organization: Strictly volunteered service from male members of farm families.

Qualifications: Any able-bodied male citizen of the United States, residing on a farm and making his livelihood from farming, not less than 21, nor more than 70 years of age.

Requirement: Every person desiring to become a member of the Minute Men, must sign the above pledge which is deposited in the files of THE MICHIGAN BUSINESS FARMER, Mount Clemens, Michigan, whereupon this publication will issue an identification card, properly numbered, and an emblem which can be worn only by a member. Both the card and the emblem are the property of THE MICHIGAN BUSINESS FARMER and are loaned to the member only for so long a period as he shall remain true to the pledge given.

Dues: None.

Correspondence: All letters regarding this organization must be addressed to: The Minute Men, Care of THE MICHIGAN BUSINESS FARMER, Mount Clemens, Michigan.

Ready For Your Chicks?

Better Build a Good Brooder House for Them

By PROF. J. A. HANNAH

Extension Specialist in Poultry, Michigan State College

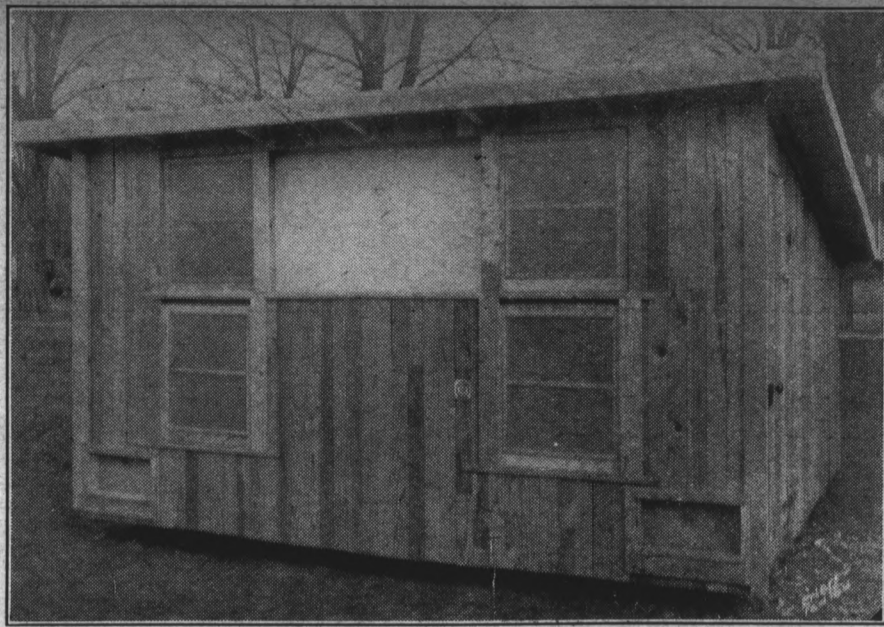
MANY farmers and their wives will be disappointed in their 1928 chicks. Large numbers will die and the surviving birds will never be profitable. Range paralysis, chronic coccidiosis organisms, etc., bacillary white diarrhea and other infections will take heavy toll. A large percentage of the pullets placed in laying houses next fall will be so heavily infested with tape worms, chronic coccidiosis organisms, etc., that they will never lay profitably. Many of these infections may be carried over in the soil from year to year. Growing chicks contract most of their diseases from soil that has been contaminated by its continual use as a poultry yard. Disease germs or worm eggs are thrown out with the body wastes and may remain in the soil for indefinite periods. The growing birds in ranging over the same area readily become infected. Plowing, cultivating, liming and the growing of crops, help to remove contamination but even

these methods are ineffective.

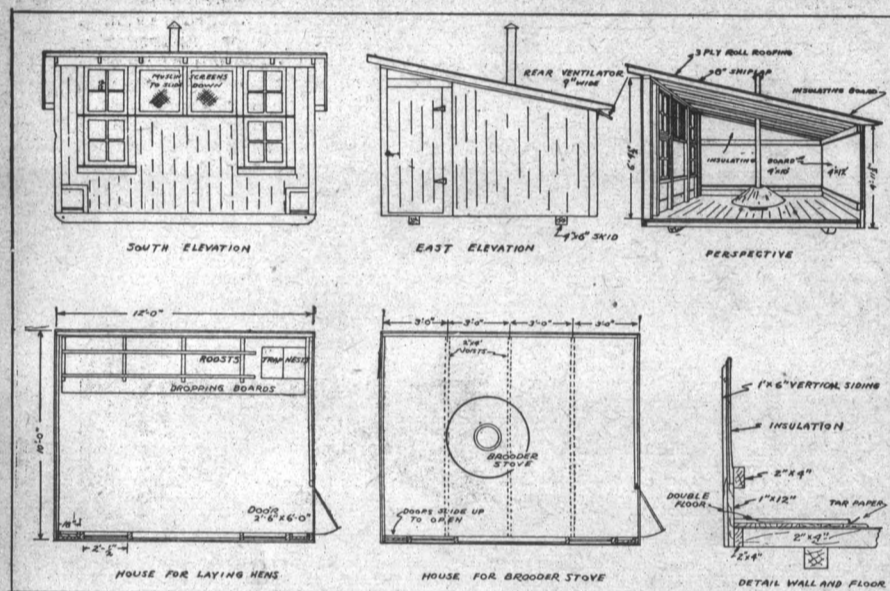
Plans should be made now to brood the 1928 chicks on clean ground, sufficiently removed from old ranges so that the chicks will not range over soil contaminated by the 1927 or 1926 chicks. Every farm growing 100 or more chicks should be provided with a portable brooder house that can be easily moved from place to place, and this should be moved to clean range before the 1928 chicks are placed in it.

A shed-roof brooder house 10 by 12 feet is most desirable. Larger buildings are difficult to move and smaller buildings are too small to prove satisfactory.

The accompanying illustration shows the outline plan of the 10x12 brooder house recommended by the Poultry Department of the Michigan State College. The complete bill of materials for this house follows: 2 pcs. 4 in. x 6 in. x 12 ft., skids; 625 bd. ft. 1 in. x 4 in. flooring (150 bd. ft. of old lumber may be used for



This brooder house was recently constructed as a demonstration house by the agricultural department of the Paw Paw high school at Paw Paw.



Plan for the portable colony house recommended by the Department of Poultry Husbandry, Michigan State College. This is the convertible brooder-layer house.

sub-floor to replace new lumber), siding and double floor; 13 pcs. 2 in. x 4 in. x 12 ft., frame and rafters; 17 pcs. 2 in. x 4 in. x 10 ft., frame; 16 pcs. 1 in. x 4 in. x 12 ft., trim; 200 bd. ft. 8 in. shiplap (14 ft. long), roof boards; 3 pcs. 1 in. x 12 in. x 12 ft. long; 2 pcs. 1 in. x 12 in. x 10 ft. long; 2 squares 3 ply roll roofing; 1 roll tar paper (in between double floor); 4 barn sash 4 ft. 10 in. x 12 in.; 1 pr. hinges 5 in. T; 2 pr. hinges 3 in. strap (ventilators); 6 lb. 8d, 8 lb. 16d, 3 lb. 6d common nails, 4 lb. 8d box nails; 6 lb. 1 in. x 38 in. head roof nails (galvanized); 4 pcs. 4 ft. x 12 ft. insulating board; 5 pcs. 4 ft. x 10 ft. insulating board.

The accompanying illustration shows the brooder house recently constructed as a demonstration house by the Poultry Agricultural Department of the Paw Paw High School at Paw Paw.

The building is built on skids 4 in. x 6 in. The two by four joists are placed three feet apart, framed and toe-nailed to the skids. A rough sub-floor is nailed to the framed joists and this covered with one thickness of good tar insulating paper and covered with four inch matched flooring. The matched flooring should be laid cross-ways of the sub-floor. This makes a tight floor.

The walls are constructed of one

thickness of insulation board backed against one thickness of four inch matched flooring. The outside wall consists of four inch matched flooring put on vertically. This eliminates studding on the back wall and ends. The insulated walls are rigid and tight and cannot be penetrated by drafts. The insulation assures a warmer building in cold weather and one that is more easily kept warm.

The roof consists of two by four rafters placed two feet apart covered with one thickness of good insulation board and this in turn covered with rough roof lumber and a good grade of roofing paper used for the outside surface. Eight inch shiplap makes a satisfactory roofing board.

The door, 2 ft. 6 in. x 6 in. is usually placed on the east side. There are four windows on the south side which are all removable and should be removed in very warm weather. The openings between the upper sash provide ventilation and should be covered with muslin or cheese cloth in warm weather. The rear eaves are boxed and a hinged door underneath the rear eave permits summer ventilation.

This makes a very satisfactory building, and a good portable brooder house moved to clean ground helps to assure success with the 1928 chicks.

An Agricultural Teacher And A Flock of Leghorns That Went To School

By JAMES S. AYARS

THIS is the story of an idea and of a man who builded better than he knew. Three years ago R. G. Oas, an instructor of agriculture in the high school at Paw Paw, Michigan, decided that his work would have greater value if his students could see and become intimately acquainted with the things they studied in his classes.

With the hearty co-operation of the school authorities he set about putting his ideas into practice. Pig, calf, and sheep clubs were organized among the boys and girls and assistance was given in the working out of crop projects on the farms.

The results of the club have been encouraging. Boys and girls of the high school at Paw Paw have won not only in competition with boys and girls from Smith-Hughes schools, but have won many prizes in open classes as well, taking the ribbons away from their own fathers and their fathers' neighbors.

But perhaps even more noteworthy than the club work has been the success of the school flock of white leghorns. Located just behind the school building and across the road is a Michigan type poultry house which contains usually about 175 singing, scratching biddies. Each one is now very proud of the fact that at East Lansing there are ten sisters, cousins, or close relatives that are bringing honor and glory to the school flock and incidentally to Mr. Oas.

The ten hens at East Lansing are entered in the International Egg Laying Contest along with ninety-nine other pens from all parts of the United States and Canada. Although probably all of the other pens are from flocks much larger and

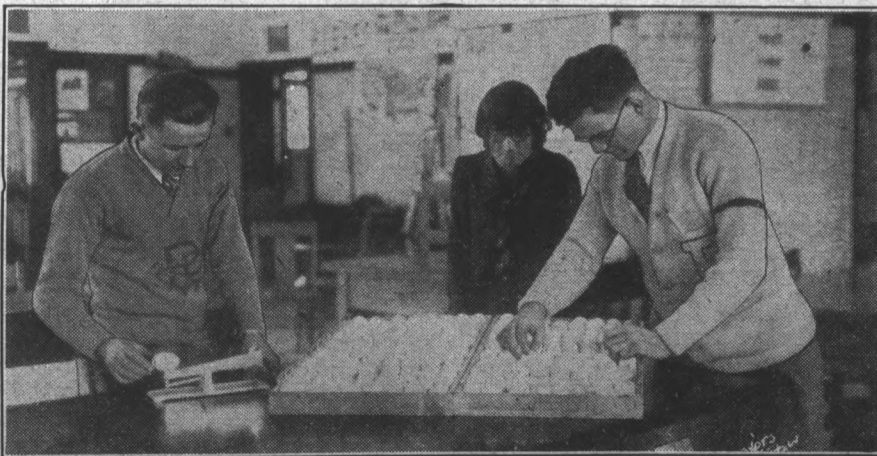
which have been established for a much longer time, the school pen is demonstrating beyond a doubt that the theories taught in the agricultural classes at Paw Paw are sound in practice.

Flock in Tenth Place

A February report of the Contest gave the school flock tenth place in the number of eggs laid since the contest began last November. The report for the month of December showed that one hen had produced twenty-eight eggs during the month, which means that she skipped only three days. Two of the hens laid twenty-seven eggs each while three others produced twenty-six eggs

apiece. Many a farmer's wife would be glad to own a flock of such biddies. During one week in February, the tens hens produced only one egg less than the leading pen for that week.

The school flock could go on boasting indefinitely about the records of their illustrious relatives at East Lansing and about their own flock records for that matter, but Mr. Oas is a modest man and would not allow it if he knew of it. The important thing right now is to discover how Oas, in the short space of three years, has built up a flock which is competing so favorably with the older and larger flocks.



Hans Giesner, Laura Rock and Robert Buskirk, students in the Paw Paw high school, take a lesson on the incubation of hen eggs. They are shown weighing them and placing them in the incubator trays.

Good foundation stock, scientific care, and intelligent use of the pedigree—in these, Oas believes, lie the secret of his success.

The first two requisites are usually admitted. But there are those who will not admit that the third is worth the expense. Speak to Oas about his distinguished biddies who are close to the top in the International Egg Laying Contest. Before you have talked long, he will be sure to mention trap-nests and pedigrees.

Trap-Nesting

The plan is simple, Oas will tell you. Trap-nesting is not so difficult nor so expensive as many farmers believe. Each hen is banded. As she is taken from the nest her number is marked on the egg. On the eighteenth day of incubation, the eggs are placed in pedigree baskets. Each basket holds six eggs and in each are placed only the eggs from a particular hen. Her number is placed on the basket and as the chicks are removed from the incubator after hatching, they are wing-banded and a record is kept of the band and the female from which the chick originated. In this way, at any time in the life of the chick, its ancestry may be determined by consulting the wing-band and the record of the flock.

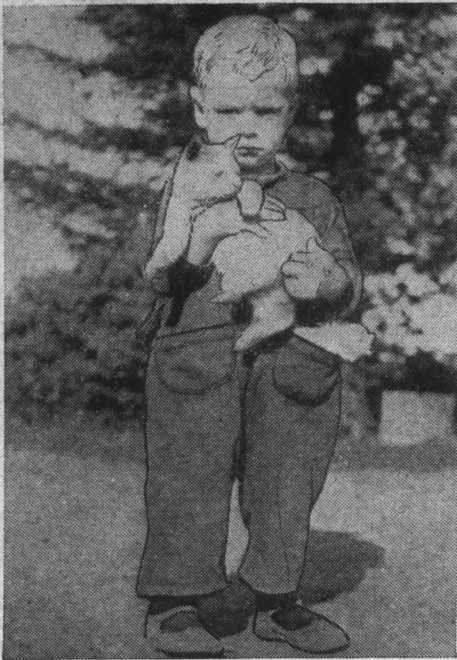
In selecting eggs or hatching, only those that average twenty-four ounces to the dozen and that are from females with yearly records of at least two hundred eggs are saved. The breeding pens are headed by males whose pedigrees show that the females in the family for five generations back have records of at least 240 eggs per year.

But what has all this to do with (Continued on page 28)

THRU OUR HOME FOLKS' KODAKS



"OUR TWO SONS."—"Leon giving Thadens a strawberry," writes Mr. and Mrs. John Bitski, Allegan county.



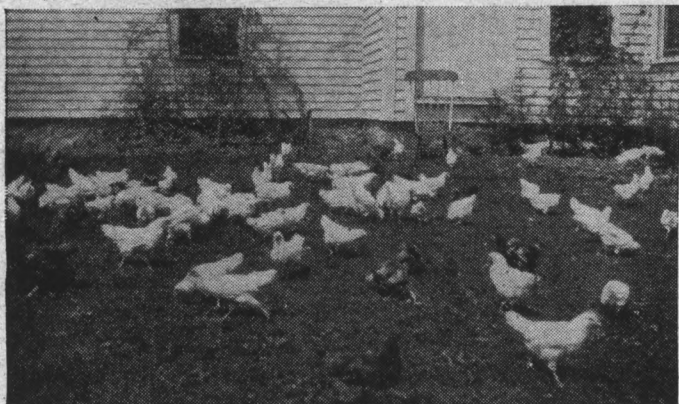
A COUPLE OF VERY GOOD CHUMS.—Little Stanley Barnhart, Clinton county, sent in by Alphonse Zernard, same county.



JUST LIKE DADDY.—Arnold is the small son of Mr. and Mrs. Richard Alberts, of Kent county.



85 YEARS OLD.—"My mother, Lucy Sutherland," writes F. B. Hill, Arenac county.



NICE LOOKING BUNCH OF YOUNG CHICKENS.—A back yard scene at the home of Mrs. C. L. Jones, of Kalamazoo county, showing part of the flock of 300 Tom Barron English W. Leghorns she raised. The chickens were about 2 months old.



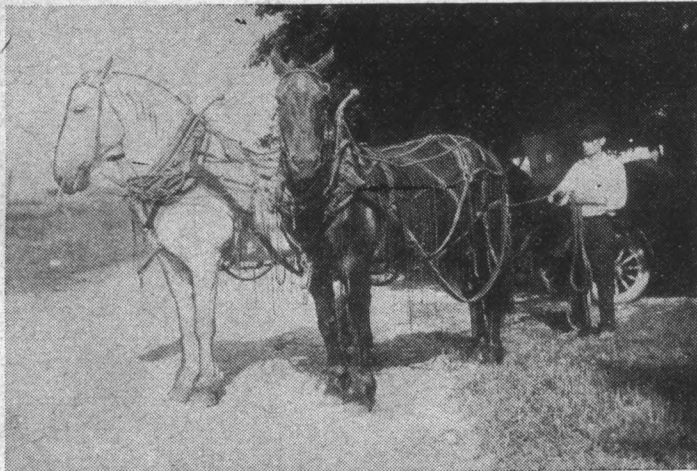
OFF FOR A RIDE.—Opal Rader, Ionia county, gives one of her friends a ride on her pony.



"PULL, CHUM, PULL!"—Orville and Marvin Henschel are grandson of Mr. and Mrs. Otis White, of Saint Joseph county. Looks like their dog had almost more than he can pull, but he is going to try to pull them anyway.



"WHAT'LL YOU HAVE TO EAT?"—Elmer Richard, son of Mr. and Mrs. Albert Christener, of Arenac county, is a very busy boy at chicken feeding time.



WELL MATCHED FOR SIZE.—Although their colors are opposite R. E. Young's two horses seem to be well matched for size and look like they could hold their own with any team their size. Mrs. R. E. Young, Allegan county, sent the picture to us.



WHO ARE THEY LAUGHING AT?—N. Jack Morey and Hal Bennett Morey are grandsons of Mr. and Mrs. G. W. Jacob, of Lenawee county.



READY FOR MARKET.—"Myself and pigs," writes C. J. Bulgrien, of Sanilac county. "I hear a good deal about ten litters so thought I would give a little demonstration."



AMONG HIS CHICKENS.—George C. McMillen, of Oakland county, sends us this picture of his father, who lives in Benzie county, with his flock of White Leghorn chickens.



Photo taken on farm of J. C. Seabrook, Rockville, S. C. DIPDUST treated seed yielded 26 bushels more per acre than same seed not treated.

Increase Your Potato Yield 15 to 25 Bushels per Acre with This Instantaneous Dip

Treat your seed potatoes as fast as you can scoop them up. Just dip them in DIPDUST solution and out again—all ready to plant.

DIPDUST protects the seed and insures a heavy profitable yield. It is much more effective than the old-fashioned "two-hour soak" treatment—besides there is not the slightest danger of injuring the sprouts or even cut seed.

After one trial of DIPDUST you will never again waste two hours treating seed potatoes or spend two weeks worrying about your stand. Compare this New Treatment with the older ones:

THE NEW WAY

*Dipdust Organic
Mercury Disinfectant*

1. Requires less than 1 minute. One man can easily treat from 200 to 400 bushels of potatoes per day.
2. Can be used on cut or sprouted seed without the slightest injury.
3. After cutting, protects the cut surfaces from seed-rotting organisms in the soil. This insures a better stand of stronger plants.
4. Controls surface-borne diseases, such as Rhizoctonia, scab and black-leg.
5. Improves the stand and growth of the plants, and thus increases the yield 10 to 20%.

THE OLD WAY

*Formaldehyde or
Corrosive Sublimate*

1. Require from 1½ to 2 hours. One man can treat only from 50 to 75 bushels per day.
2. Can not be used on cut or sprouted seed without injury.
3. Before cutting, give no protection to the cut surfaces. The seed frequently decays in the ground before the young plants get started.
4. Although effective against Rhizoctonia, and scab, do not control black-leg.
5. Frequently decrease the stand, and therefore the yield, to a serious extent.

GUARANTEE

Plant a few acres of DIPDUST treated seed in alternate rows with untreated seed. If, at digging time, you are not satisfied, return the empty DIPDUST can to us and we will refund price paid.

One pound treats 15 to 20 bushels of seed potatoes.

Treat your Corn and Vegetable Seeds too

You can now also disinfect your seed corn and vegetable seeds with DIPDUST and increase your yield by preventing many of the diseases which cause poor germination, weak, spindly plants, and poor quality crop. Simply use as a dust treatment. It is easily and quickly applied and costs but a few cents per acre. One pound of DIPDUST will treat six bushels of seed corn, or from six to eight bushels of vegetable seed.

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FUTURE OF POTATO MARKET

I would like your opinion on the potato market. Is there any chance of there being any rise in price of any consequence?—C. D., Holly.

THERE is a general feeling in the trade that potato prices, as far as Michigan is concerned, will strengthen somewhat. No doubt opinion is based largely on the fact that the Michigan crop of 1927 is approximately six million bushels lighter than it was in 1926. Furthermore, it is believed that the far western states have almost disposed of their good quality potatoes.

It is rather unreasonable to expect very high prices, however, this spring since the crop of 1927 was approximately 402 million bushels or 48 million bushels more than the crop of 1926. Up to February 28th, the total car load shipments in the United States were 210,934 compared to 191,119 for the same date in 1927. Car load shipments for Michigan for the 1927-1928 season total 4,865 up to February 28th. Up to the same date in 1927, Michigan shipped 11,130.

The southern crop may have some effect on prices of northern potatoes. The estimated acreage in the southern states for 1928 is approximately 254,000 compared with 241,000 for the 1927 season.—H. C. Moore, Extension Specialist, M. S. C.

DO CROPS GO WITH FARM?

If A sold a farm to B and B paid \$2,050 down and when the time came for B to pay the balance he didn't hold to his contract refusing to pay the balance and if A got the farm back and B sowed wheat on the farm, can A claim the crop? What part of it, if any?—A. H., Anchorville, Mich.

IT would be my opinion that crops would go with the farm, conditions of the contract and claims allowed in the foreclosure would be the deciding factors, I would advise that you take this matter up with your attorney or county prosecuting attorney.—F. T. Riddell, Research Asst in Farm Management, M. S. C.

NOT SUFFICIENT GROUNDS

If a woman's husband is an inmate of the Traverse City Hospital and is an invalid for life, wouldn't that be cause for the law to grant her a divorce if she applied for it?—W. J. F., Bay County.

THIS, of itself, would not be sufficient grounds for divorce under the laws of this State. I would advise you to see a lawyer about this matter.—Legal Editor.

SCHOOL OFFICE AND VOTING

I would like to know if a man who does not have any real estate or any children can legally hold a school office in this state. This man lives on a rented farm and has a little personal property.

I would like to know if a man who is working a farm on shares, gets

half of everything, pays half of taxes, both real estate and personal, and has one child, can hold a school office or not and can he vote on money matters concerning the school. Also can he vote on township money raising?—R. H., Clare County.

THE qualifications for school office in Michigan are: Twenty-one years of age; full citizenship; three months a resident in the district before the time of election; the owner of property, real or personal in the district which is assessed for school taxes; name must appear on the assessment roll at the time of election. (The only exception to this is a joint deed held by husband and wife. Either may qualify for the office regardless of which name appears on the assessment roll.)

Only electors who own property assessed for school taxes may vote on money matters. Where a husband and wife own property jointly, which is assessed for school taxes, both may vote on all questions if they are otherwise qualified. Briefly, unless the man mentioned in the question actually pays taxes on real estate or personal property which he owns, he is not entitled to vote on the question of school taxes, and if he has no children of school age he has no voice in school matters at all.—C. L. Goodrich, State Dept. of Public Instruction.

FORECLOSURE

An eighty acre farm was held jointly by husband and wife. A bank took a mortgage on this farm. Husband died several years ago, so property belongs to wife. Now this bank is about to begin a foreclosure on the farm to get their interest and mortgage. In case the farm doesn't sell for enough to pay their interest and mortgage can they come back on the wife if she owns other property for any expense for foreclosure, etc.—Mrs. J. S., Reese, Michigan.

IF the mortgage is given to cover the debts of the husband or any other persons than the wife, and the land does not bring enough to pay the debts secured by the mortgage, I would be of the opinion the wife would not be liable to pay the deficiency.—Legal Editor.

HOLD FARM

* I rented a farm last spring with no contract. Just a verbal agreement. The crops are all taken care of and the party owning the farm has rented it for another year and they want me to take my stock off the place. Have they any right to rent it before my time it up? Also how long after 4 o'clock can a teacher keep her pupils to get their lessons?—C. A. B., Standish, Mich.

THE landlord could not compel you to move off the place until your time is up. The law does not state how long a teacher may keep her pupils after 4 o'clock. She would not have a right to do anything which would be cruel or unreasonable punishment.

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.



Home of Mr. and Mrs. George B. Berk, of Saint Clair county. They have lived there since 1870.

Hitch more science to the plow

THERE is no pride and little profit in growing nubbins, culls or chaffy grains; yet we keep everlastingly at it. We blame the weather rather than our mishandling of soil and plants. We admit that "Bossy" must be amply and properly fed if she is to produce butter-fat, but we take a gambler's chance on our field crops and expect them to thrive and grow quality product with an insufficient and generally out-of-balance food supply. If we but stop to think, we know that plant roots cannot travel far for their food, and that if an ample balanced ration is not within the range of root growth the plant must suffer in health, quality, size and yield, as the problem of getting something out of nothing has not been solved in field or factory. The basis of successful profitable plant feeding is what might well be called *stall feeding*—placing an ample supply of balanced available food in the plant-growing area, creating zones of local enrichment. This makes for rapid, healthy, balanced growth, for early maturity, for large yields of first quality product with splendid seed qualities.

Plants suffer from malnutrition, and farmers foot the bills.

If we will but keep in mind the fact that the underlying principles governing plant feeding and stock feeding are identical, that one is as vital as the other, and act on this knowledge, there will be a decided increase in the quality of field products grown on the farms of the United States. Market quotations do not accurately reflect the prices obtained by farmers for their crops, as so much of the product grown is under grade. Top quality brings top prices.

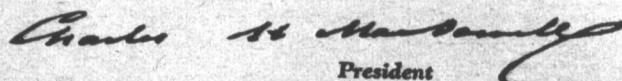
Proper plant feeding insures a maximum production of quality product, important whether fed on farm or sold as grown.

An important point to keep in mind is that an ample supply of all the elements needed for plant growth must be present in available form in the enriched zone, if maximum quality production is to be secured. Phosphorus at one spot, potassium in another place, and nitrogen somewhere else, does not solve the problem. These elements work together and must necessarily be together.

Ample and proper plant feeding of tilled crops insures a greater yield per acre with a lower pound cost to grow, and a higher value per pound of production through better quality product—all to the good.

Farmers test their cows and dispose of the poor producers. Can't this idea be applied to land—in times of relatively low prices; till only land best suited to cultivation; convert the poorer land to pastures; lime and fertilize this grass land? Schneider, a leading German authority, writes: "I have demonstrated by keeping careful and scientific accounts that no other system of cropping gives as high returns as a well-managed pasture."

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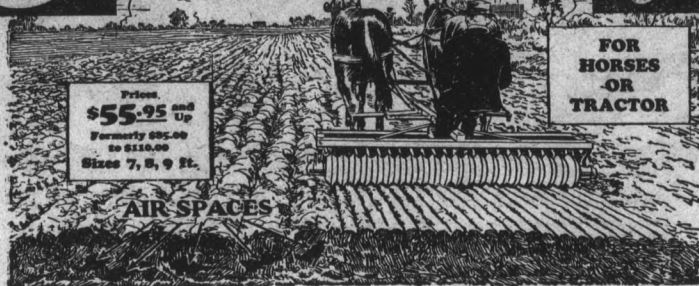
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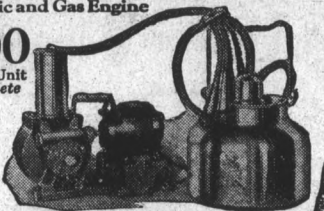
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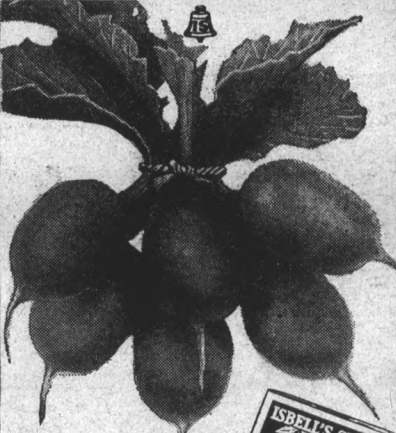
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New York, N. Y., February 29th, 1928. The Board of Directors have declared a regular quarterly dividend of one and three-quarters (1 3/4 %) per cent on the Cumulative 7 % Preferred Stock of this Company, and a regular quarterly dividend of one and one-half (1 1/2 %) per cent on the Cumulative 6 % Preferred Stock of this Company, for the current quarter, payable April 16th, 1928, to holders of record at the close of business—April 2nd, 1928. Checks will be mailed. Transfer books will not close. OWEN SHEPHERD, Vice-President & Treasurer



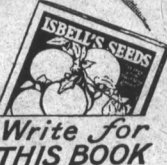
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Broadscope Farm News and Views

Edited by L. W. MEEKS, Hillsdale County

(Many people write for Mr. Meeks' 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.)

Asparagus

SEVERAL are inquiring about asparagus culture. It seems that asparagus is one plant which is generally mis-understood. Many have the idea that it is a difficult thing to grow, and many would try it out if they thought it would succeed. If one will purchase high grade plants and give them good care, there is no reason why asparagus will not succeed in most any soil and location. The first year we were on this place, we set out one hundred plants, all in one row. They grew fine, but it just so happened that the next year it was necessary to erect a fence only about two feet from the row, and this hindered the care of the asparagus. The last year or two it has not done so well, and we have just ordered some more plants for this spring's setting. We will try the Mary Washington variety this time.

No special preparation of the land is necessary. It should be made rich with manure and plowed to a good depth. The roots are set out eighteen to twenty-four inches apart, rows being four feet apart. One hundred roots will be sufficient for the average family, but two hundred will be none too many for a large family. If two year old roots are used in starting the bed, it is quite likely a few cuttings may be made the second year, but one must not plan very heavily on a feast until the third year. The plants should be cultivated, and weeds and grass kept out. If well started and given reasonable care, a bed should last for fifteen or twenty years, and many are giving good yields at twenty-five years. It is relished by most people, and finds a ready sale in every town, but like lots of other things, if a farmer doesn't grow it he generally goes without, as it is against his principles to buy garden "stuff."

Here is a man who wants to grow his own plants from asparagus seed. It can easily be done but, however the plants produced by the seed are very difficult and need a lot of care the first year. There is nothing difficult about the culture and twenty cents worth of seed will produce several dollars worth of plants. Now all of you who like asparagus, hold up your hands. A very large number indeed. Now all who like it and have all they want of it, hold up your hands. Not very many. Now all who like it and seldom if ever have any, hold up your hands. My, what a large number! To these latter, I would say, get out your seed catalog and use the order blank.

From Saginaw

Before me is a letter from a Mr. M. of Saginaw. It is somewhat unusual to get a letter with his thought in it, but I have frequently been asked the question personally. Mr. M. wants to know "Why people choose farming as a means of livelihood when there isn't the slightest chance of becoming rich, as the term rich is understood today. In fact few farmers become what is understood as well off. They have to practice economy so much in order to have the bare necessities of life."

Now, Mr. M., you are just like all others who put similar questions up to me. You infer that farming is the only occupation in all the world where one does not stand a good chance of becoming rich. You, like all the others, imagine that all city and townfolk are living in plenty, and that the majority of them are on the way to riches. Mr. M., you are mistaken. Did you ever visit very much in a city and keep your

eyes open to see what the residents thereof actually do in order "to have the necessities of life"? Well if you are an average well fed farmer, go and visit a few average homes in some city. Stick around long enough so you will see how they live, day in and day out; not just on holidays and Sundays, but Mondays and every other day. I don't say they do not have enough to eat, but I do say the average city man probably does more serious thinking when he eats than you do on the farm. He wonders if Mary put the last milk ticket in the milk bottle that morning and whether the peck of potatoes the delivery boy just left will last until pay day. He lives in a fine modern home and he worries for fear the shops will shut down before he is able to get it paid for. If he doesn't work in a shop he may be a street car conductor who wonders how much longer the street railway can hold out against the motor bus. Many city people are merchants. If I had to guess who is the man who is doing the most serious thinking right now I'd guess the average merchant.

I just read a fine address by a high up official of the United States Chamber of Commerce. This is a national association which includes business enterprises of all kinds, and many of them. His talk was on the New Competition, and you could read between the lines that with one or two exceptions all big business is nervous today over some competition or anticipated result of modern science.

I know, Mr. M., that the city folk whom we see when we are in the city on a trading exposition, are well dressed and apparently care free. We as farmers, think their life is ideal and yet what we see of them is not their entire life. Many of them have salaries which are small in comparison with many farmers. There is one thing most city people have that I wish more farmers had, and that is the ability to put on a bold front.

While in Ohio at a recent Institute, a woman gave an address on the farm and city life, and she showed by easily understood figures that if the average farmer would include his house rent, milk, eggs, butter, meat, potatoes, vegetables, fruit and so forth as a part of his salary, he would have a salary comparing favorably with that of his city brother. I have been around the city a little lately, and here is the way I look at some of my city friends.

I spent some time for several days in a dentist's chair. This dentist has been doctoring people's teeth for probably thirty years, and I imagined how monotonous his work was compared to mine. He makes more money than I do, but think of the irksomeness of standing all day, day in and day out, looking for some trouble in a tooth! No dentist for me.

Another friend is a city mail carrier. He has a good position, gets as much money or more than the farmer. He certainly earns it, walking eighteen miles every week day, and carrying a heavy load at that. Storms or sunshine, it makes no difference. He is a fine fellow, likes his work and is doing fine, but I'd rather be a farmer. 'Nother city friend is a railway engineer. He certainly gets hold of considerable money when he cashes his pay check, but his work is very exacting, and his hours at home few and varied; his hair is whiter than mine, and his age about the same. 'Nother city friend is a salesman. He gets fair pay, but oh, how he does have to hustle. Competition is so strong he is never sure of any prospect until they sign the dotted line, and by the way, he told me sales were not as good as they were. Said city folks were all tied up with installment payments on things all the way from radios to autos and furniture. Said it required considerable pressure to

(Continued on Page 10)

Results

almost beyond belief



Partial view of the Experimental Poultry Plant at Larro Research Farm, Redford, Mich., where Larro Poultry Feeds were developed and where they are constantly on test. Thousands of birds are used in accurate feeding experiments. Larro Research Farm is not a show place or a "hobby" but a scientific and practical work shop.

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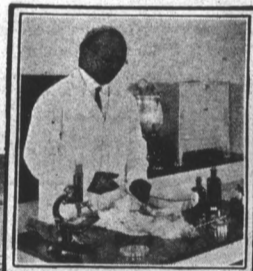
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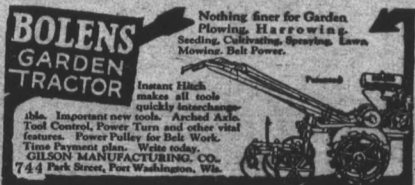
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Fruit and Orchard

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 mail.)

NEW SPRAYING CALENDAR OUT

THE M. S. C. has recently released a new spraying calendar for various kinds of fruit. The calendar tells how and when to spray, what materials to use, how to mix the materials, etc. The authors are W. C. Dutton, R. H. Pettit, and C. W. Bennett. Free copies can be obtained by writing the Director at East Lansing, Mich., and asking for special bulletin No. 174.

SOUTH HAVEN-CASCO GROWERS MEET

"NEW England Orchard Experiences Of Interest To Michigan" was the subject of a talk by Prof. W. C. Darrow before the South Haven-Casco Pomological Society on March 7. Prof. Darrow operates several fruit farms in Vermont near the home of President Coolidge, and is a fruit specialist at the Connecticut Agricultural College.



Herbert Nafziger

To show how hilly the farms are in New England Prof. Darrow told of a farmer who went out to get his cow and discovered that the cow had fallen out of the pasture. The European

an Red Mite which is now spreading over Michigan orchards is well established in New England and is controlled with an oil spray in the dormant period. The pre-pink and pink applications with lime-sulphur on apples were said to be of assistance in holding down this pest. Apple trees infested with red mite have bronze foliage and the fruit is poorly colored and flavorless. The modified leader type of tree was recommended and the pruning of bearing trees should consist of a thinning out of smaller branches. Branches whose diameter equals that of a man's thumb were said to be the largest which should be cut out of an apple tree.

In order to avoid spray injury to apple foliage the New England growers are practicing rather drastic dilution of the lime-sulphur sprays after the calyx application. 1 to 40 is used up to the calyx application. After the calyx spray it is reduced 1 to 50 or lower. Some growers even reduce it as low as 1 to 200. Lime-sulphur in the pre-blossom sprays was said to sometimes cause a dwarfing of the leaves and a yellowing of the edges of the leaves. To overcome this bordeaux is sometimes used in the pre-blossom sprays. Prof. Darrow's own spray program calls for a 3-10-50 bordeaux in the pre-pink and the pink. In the calyx a 1 to 40 lime-sulphur is used, and thereafter a 1 to 75 lime-sulphur or dry mix.

Prof. Darrow was most emphatic in recommending nitrogenous fertilizers for apples. Sulphate of ammonia, nitrate of soda or calcium nitrate were all recommended. In one McIntosh orchard the average yield of apples was increased 93 barrels per acre through the use of fertilizer. Practically all of the increase in this case was due to improvement in the set of fruit on the fertilized trees. In another orchard the average yield was increased 263 bushels per acre, with fertilizer. The eastern growers are alive to the pollination problem. It is the practice to rent bees from bee keepers during the blossom period. The usual rental is \$2 per swarm.

New England is now in the throes of an intensive campaign for better apple varieties. A list of seven standard varieties (The New England Seven) has been chosen, and all growers are urged to use these varieties for grafting and planting. An apple tree survey showed that a great many trees of poor varieties

are still young enough to be grafted, and about one-third of all the trees of poor varieties are in commercial orchards.

The McIntosh apple is the great favorite in New England. Grown under the sod mulch system it was said to color better, keep better, and drop less than when grown under cultivation.

BROADSCOPE FARM NEWS AND VIEWS

(Continued from Page 8)

sell them anything more. No salesman for me.

Another city man gets one dollar per hour as an upholsterer in an automobile factory. But, but, he has had only twenty-eight hours work since the first of February.

There are many reasons, Mr. M., why people remain on the farm. There is a mingling or a cooperation between a farmer's business and his home life that a farmer enjoys. He likes to plan his own affairs and, while many times they are not successful, he has a satisfaction at least if he has done his part the best he knew. And, when he passes on to his reward, friends and neighbors for miles cease their labor and come to pay him a tribute of devotion.

Bulletin Service

(The bulletins listed under this heading are free. Some are issued by the U. S. Department of Agriculture, others by agricultural colleges, and many by our advertisers. We carefully consider the bulletins that come to us from different sources and list those which, in our opinion, are of greatest value to our readers. If you want a copy of one or more just list them on a postal card or in a letter and mail to us with your name and address. They will be sent to you without charges of any kind.)

- No. 2.—MODERN WATER SUPPLY.
- No. 3.—SOIL FERTILIZERS.
- No. 4.—SEED CORN CURING.
- No. 5.—GOSPEL OF GOOD FEEDING.
- No. 6.—BEFORE YOU INVEST.
- No. 7.—FARM SANITATION.
- No. 8.—FIRST MORTGAGE BONDS.
- No. 9.—FROM EGG TO MARKET.
- No. 11.—MINERALS AND FEEDING.
- No. 12.—LINSEED OIL MEAL.
- No. 13.—FIGHT THE CORN BORER.
- No. 14.—UNDER-GRADE APPLES.
- No. 16.—TIRE CARE.
- No. 17.—FARMERS' TAX GUIDE.
- No. 18.—BARN AND HOW TO BUILD.
- No. 19.—CONCRETE BUILDINGS.
- No. 20.—MOTHS AND BEETLES.
- No. 21.—FEEDING FOR EGGS.
- No. 22.—CHICK CARE AND FEEDING.
- No. 23.—BETTER GRAINS AND HAY.
- No. 24.—100 FOODS FROM 4 RECIPES.
- No. 25.—FARM LEASE SYSTEMS.
- No. 26.—ORCHARD MANAGEMENT.
- No. 27.—RASPBERRY PLANTATION.
- No. 28.—POULTRY FEEDING SECRETS.
- No. 29.—FLIES IN DWELLINGS.
- No. 30.—MORE MONEY FROM COWS.
- No. 33.—CULLING FARM FLOCK.
- No. 34.—POTATO GROWING.
- No. 35.—PROFITABLE ORCHARDS.

Bulletin No. 36.—TRACTOR LUBRICATION. Every farmer who owns a tractor or expects to own one should get a copy of this 78-page bulletin on the lubrication of internal combustion engines and tractors. No matter how much or how little his experience may be he will find it of great value. It is written in simple language and well illustrated.

Bulletin No. 37.—MODERN POULTRY HOUSES. Here is a 24-page book which should be in the hands of every reader of this paper who is raising poultry for profit. Sooner or later you are going to start building a new poultry house and it is none too early to begin studying its layout.

Bulletin No. 38.—DISEASES OF POULTRY AND SWINE. A general discussion of diseases that attack poultry and swine with description of external symptoms and post-mortem appearance.

WON'T SHOW

Lady: "You will spoil your stomach eating so much candy."

Laddie: "That doesn't matter. I always keep my coat buttoned and it won't show."

APPETITE

It was shortly after Christmas Day that someone asked the little boy to define the word appetite. His reply was prompt and enthusiastic:

"When you're eating, you're 'appy; and when you through you're tight—that's appetite."

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.)

AGAINST CORN SUGAR BILL

DEAR EDITOR:—There is an attack being made upon this session of Congress to secure legislation which would legally permit the adulteration of pure foods with corn sugar, without so stating on the respective labels.

This is known as the "Capper-Cole Corn Sugar Bill," or Senate Bill 2806 and H. R. 10022. About two years ago, this same legislature was vigorously sought, known then as the "Cole Bill."

At that time attention was brought to the beekeepers by George Demuth of Medina, Ohio, and Dr. Philips, Department of Entomology, Washington, D. C., such a law permitting the adulteration of honey, would certainly have been the destructive climax of the honey industry. But at that time, the flood of protests from beekeepers, and their respective associations, besides others interested on pure foods, finally brought "an exception to honey" in the bill but even then it failed to pass through.

Now, again, this same legislation is being brought before Congress. This bill, is a direct violation of the Pure Foods and Drugs Act, of 1906, which act or law has been the rock foundation of stability to all producers of pure foods, and a safeguard to public health.

I am certain anyone, has no objection to the manufacture, sale and use of corn sugar when sold as such, on its own merits, but the wholesale adulteration of pure foods with this product, and selling the adulterated product as a food which is known and supposed to be pure, is certainly the limit, and certainly is very poor business sportmanship.

I am enclosing literature on this drastic misleading Corn Sugar Bill, which I have taken from beekeeping magazines and which I have received from the Michigan State Beekeepers Association from which you may be more able to clearly understand what it is all about.

Surely, the methods employed in trying to secure the passage of this bill, from time to time, are enough to arouse the condemnation of all interested in fairness in legislation and business competition.

THE BUSINESS FARMER has always been active upon such matters when brought to its attention.

Yours for the production and sale of pure foods, or combinations of such under the present Pure Foods and Drug Act of 1906.—Leslie S. Bell, Hillsdale County.

POULTRY INDUSTRY AND M. S. C.

DEAR EDITOR: The poultry industry of Michigan is estimated at about \$80,000,000 a year, or an average of nearly one million dollars for each county in the state. Of course some counties have twice this amount and others considerably less, but such as it is it comes mainly from the small farm flocks of the state.

There is a flock of hens on practically every farm in Michigan, varying in size from fifty to several hundred, which is depended upon, to provide a steady income throughout the year. On most farms this covers the weekly grocery bill with something left for the farmer's wife to call her own. On many farms the total income from the henyard be-

longs to the farmer's wife, and it is frequently heard that "I make more from my chickens than my husband does from his hogs."

There are more farmers interested in poultry than in any other branch of agriculture, with the possible exception of milch cows. Now let us see how this industry is treated at the Michigan State College. There are about 2900 students enrolled.

The horticultural department can take care of a class of 400 to 500. The horticultural industry is about half that of poultry, through the State.

The dairy department can instruct a class of about 125 students. The dairy industry is about the same as the poultry industry in size.

The poultry department can conveniently handle a class of about a dozen students.

Why are these departments so out of balance with the industries they represent? No one knows except the College executives, and they won't tell.

The Michigan fruit grower is getting a great deal of valuable help from the College, but no more than he needs. It tells him when to spray, and what for, and is on the job to meet any emergencies that may arise.

The dairy department is doing good work, though there may be some question as to the value of the t. b. test. The size of the dairy interests in Michigan is such that failure to meet dairy problems as they arise would be little short of criminal negligence.

In the poultry department, representing an industry approximately the same as that of dairying, we have this failure. Limited equipment for students, practically no research work on diseases and the buildings going to pieces for lack of repairs. The men of this department are doing the best they can with what they have to work with. The blame lies higher up, in the State Board of Agriculture and the high officials of the College.

Not long ago the writer called the attention of the Secretary of the College to the fact that one of the important poultry buildings was very much in need of repairs. He replied that he had referred the matter to the Poultry Department. The Poultry Department wrote that the matter would be attended to as soon as possible, but that at present there were no funds. This was a question of only a few dollars.—C. N. Whitaker, Van Buren County.

GAS TAX

DEAR EDITOR:—In regard to the gas tax, the three-cent tax is just what we want and the weight tax is a dirty graft on the farmer. Farmers pay the same tax as the man who uses the road to make a living and who are on the road the year round. Hoping the M. B. F. will continue the good work, the best and most helpful paper the farmer ever had.—E. W. C., Hesperia, Mich.

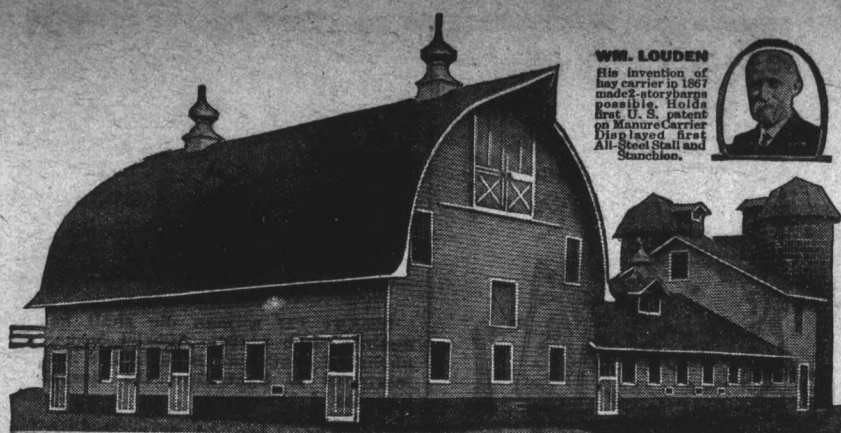
IT WAS PAT'S WRENCH

"Any of you fellows lose a wrench?"
"Yep, I lost one."
"What's yer name?"
"Mike O'Connor."
"Then 'tain't yours. This one has Pat Pending's name on it."—Washington Farmer.



GRANDCHILDREN OF A GRAND CHAMPION

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WM. LOUDEN

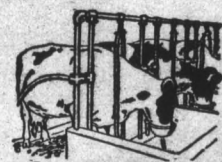
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Hundreds of corn-growers write us letters like these: "Had no corn pulled that I could discover."—F. G. Vincent, W. Tisbury, Mass.
"Crows nor nothing seem to bother it!"—M. Crockwell, Red Hook, N. Y.
"It does the job!"—L. Varnum, Alexander, Me.

"One kernel was pulled by crows. None were eaten. Yet crows were in fields all the time catching bugs," says M. S. Taite, Turnhammock, Pa.

"The crows pulled only one hill of my corn"—L. Martin, Hillsboro, N. H.

"Saw but one hill taken"—A. J. Hicks, New Carlisle, Ind.

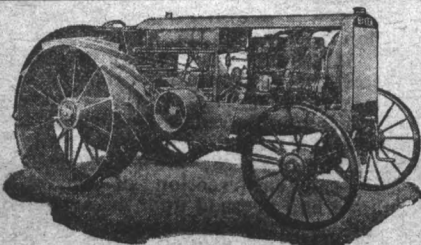
"Did not pull one hill in 1 1/2 acres of corn"—G. Post, Dover, Mass.

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is what they are talking about. And we can give you scores and scores of more letters all saying the same thing. Why do you worry about your corn crop, when for \$1.00 you can save from 1 to 2 acres of corn for every bushel of seed you plant? "Money Back" guarantee,—you to be the only judge. Large can, enough for 2 bu. of seed corn (8 to 10 acres) \$1.50. Half sized can, \$1.00. If your hardware, drug, or seed store doesn't have it in stock, order direct. Address Cedar Hill Formulae Co., Box 500B New Britain, Conn.



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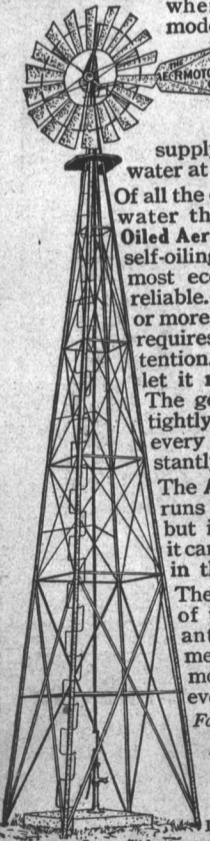
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Life Beyond the Grave

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: "If a man die shall he live again?" Job 14:24. "Christ Jesus, who abolished death and brought life and immortality to light thru the Gospel." 2 Timothy 1:10.

YOU have looked upon the lifeless body of a departed friend. Your senses were active and did not fool you. You knew the eye was sightless, the limbs motionless, and the features pale and wan. You discerned nothing of the life that formerly animated the body. Death had won a complete victory. And then when you placed the body in the grave to moulder back to mother dust, did you have any forebodings? Any doubts? Did death end all?

Another Easter revives the question that was on the lips of Job in olden days. For the patriarch, it had in it much of despair and hopelessness. He had little resurrection hope. But throughout all succeeding centuries, longing and hope for eternal life increased. "If a man die shall he live again?" is a question that is kept alive in every serious generation. To be sure, it seems that to some this question is too tedious and profitless. They hurry about in the things of business and pleasure, apparently unmindful of the judicial and eternal nature of life. Then some crisis revives the quest for immortality. The recent war shook the nations into other-worldly conceptions of life. Everywhere there was kindled an intense interest in future existence. Sons and husbands were killed off like flies, and mothers and wives asked "Will they live again?" The imagination of scientists was so kindled that they sought to explore the regions of the unseen for any possible evidence of continued life. And this is not strange. The strange thing is, that when life goes on like a song, men frown at the suggestion of death. They do it in spite of the fact that due to adversity, trial, and old age, all finally have to reckon with this grim reality. At the end of life's journey we are compelled to sit down with the old question, "If a man die, shall he live again?"

"For there is hope of a tree, if it be cut down, that it will sprout again, and that the tender branch thereof will not cease. * * * But man dieth and is laid low: yea man giveth up the ghost and where is he?" To the average person today, the future life is reasonable. The mind or soul is eternal. Yet, at the Easter season, we are willing to have this Christian doctrine freshly confirmed in the resurrection of all nature. Hidden forces, after the death of winter, make vegetation live again. So, we reason that the order of nature is not destruction but, one of survival. Job saw the tree roots "wax old in the earth, and the stock thereof die in the ground," yet "it put forth boughs like a plant," and "the tender branch did not cease." Therefore, this venerable sire knew there was hope for a tree. But said he, "Man dieth and is laid low." There was little future hope for man, the patriarch reasoned, for he had not seen or known of a human being to return from the grave. He struggled with this problem with awful solemnity, but usually doubts prevailed to paralyze hope. Yet, occasionally, Job's heart fluctuates toward expectation and he testifies, "And after my skin, even this body is destroyed, then without my flesh shall I see God." Significant it is, that though without sense proof or revelation, here was a dim resurrection conviction written in the soul.

Job had had nothing in his experience to assure his sense or imagination of a future life. But after waiting long years, God came to us with a comforting sense appeal. We should have the most perfect faith. In the resurrection of Christ, we have had pressed upon us actual, historical evidence that death has been abolished and that immortal life is the heritage of the soul. This is the

achievement toward which every soul longs. We all desire victory in the solution of the death problem. We are "steadfast, unmovable, always abounding in the work of the Lord" when we know we are not laboring in vain. We serve on even to four score years and ten with the hope that our unfinished loves and aspirations might be made full beyond the grave. We reject the pessimist's view of "Right forever on the scaffold and wrong forever on the throne." We believe, with St. Paul, that the whole creation is now in tears and groaning to the end that Right shall be enthroned. "Though our outward man is decaying, yet our inner man is renewed day by day." We are on our way upward.

And these things are certainties. The Gospel is distinctive in that it deals not in arguments of probabilities, but realities. On a recurring Easter day multitudes will repeat the creed which state their belief in Jesus Christ who "was crucified, dead, and buried; the third day he rose from the dead; he ascended into heaven; etc." However this creed is interpreted, it is an expression of the Gospel assurance that Jesus Christ was translated from this time world to that which is eternal and heavenly. This is the sweep of our text, and it puts to flight any forebodings that rise like scepters from the grave. When our Christian friends leave us here, we know not to what place in God's universe they go. Nor does it matter. But that we know to Whom they belong is our comfort. The apostle tells us that his happiness consists in the certainty that when he is absent from the body he will be present with the Lord. All good people have a right to cherish this hope regarding life beyond the grave.

But our text would say that life and immortality are brought to light here. This doctrine challenges our earnest thought and full acceptance. It is as profoundly important as it is interesting. Said the Master, "The hour cometh and now is, when the dead shall hear the voice of the Son of God; and they that hear shall live." This is the first resurrection. It is that time in your experience when Christ touched your dead heart through faith and gave you the undying vision and the unfading glory of the Christian through endless years. It assures you of that second resurrection as represented in Christ's words, "Marvel not at this; for the hour cometh in which all that are in the tomb shall come forth; they that have done good unto the resurrection of life; and they that have done evil unto the resurrection of judgment." "Blessed and holy is he that hath part in the first resurrection." To such an one life beyond the grave beckons into a richer experience and a fuller fellowship with Jesus and all those who have fallen asleep in Him.

Alarm Rings But Thieves Flee.—The alarm Robert Holmes, Kent county farmer, had connected between his house and chicken coop functioned all right recently but before the officers whom he called got there the thieves had made their getaway taking 60 Rhode Island Reds with them. Apparently they were able to work fast as the officers were on the job within fifteen minutes after Mr. Holmes called them, and during that time the thieves had caught the chickens and escaped.

Loses 60 Reds.—Another Kent county farmer, Edward Green, who lives near Kent City, reported thieves took 60 Rhode Island Reds from his coop.

Fifty Chickens Gone.—Floyd Luchenbill, from near Corunna, lost 50 chickens and Under Sheriff J. A. Kink is now working on the case.

A LIFETIME ROOF Lightning Proof



CENTURIES of service have proven Lead to be the most durable roofing material known. The Lead roof of cathedrals built in the Middle Ages are still in service. No rotting; no cracking or chipping; no rust or corrosion. Above all—fire proof and lightning proof!

Your crops and livestock are safe when your barns are roofed with "Leadclad" roofing, shingles or tiles. Leadclad roofing is an improvement on the lead roofs of old, because it is reinforced with copper-bearing steel by a special secret process. Saves the cost of painting. No lightning rods needed.

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LEADCLAD
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Lowers Fire Insurance

Her Asthma and Cough Are Gone

Suffered 15 years. Found Quick Relief.
No Sign of It Now.

People tortured by asthma or bronchial trouble will be glad to know how Mrs. Amanda Kincaide, 1483 Lafayette St., Detroit, Mich., ended the disease. She says: "I had asthma 15 years. I was very weak and my cough was awful. I had to sit up in bed for hours, to get my breath. I am 60 years old, and had almost given up hope of ever being well. One day, I read what Nacor had done and decided to try it. After the first few doses, I began feeling better and kept right on improving. My asthma is gone. I have no cough and feel fine in every way."

This remarkable letter is just one of hundreds received from sufferers from asthma, bronchitis and chronic coughs, telling how their trouble left and never returned. Their letters and a booklet of vital information about these stubborn diseases, will be sent free by Nacor Medicine Co., 590 State Life Bldg., Indianapolis, Ind. No matter how serious your case seems, write for this information, and find out how thousands have been restored to health.—(Adv.)

Ship Your Dressed
Calves and Live Poultry

Detroit Beef Company

OLDEST AND MOST RELIABLE
COMMISSION HOUSE IN DETROIT
Write for new shippers Guide
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Detroit Beef Co.
1903 Adelaide St., Detroit, Mich.

• Chatting with the Agricultural Teacher •

Edited by V. O. BRAUN

(Mr. Braun is a farmer, a teacher of agriculture and a writer. He owns and operates a large farm in Branch county known as Spring Water Farm. He is a successful teacher of agriculture in a high school in Shiawassee county. Also he writes for many leading farm magazines of this country. He is well prepared to help farmers with various problems and our folks are welcome to write him at any time. Just address him care of M. B. F. and you will receive a personal reply by early mail.)

The Parable of the Sower

LAST night my Bible reading included the parable of the sower. I thought at that time what an appropriate passage of scripture for the farmer to read each spring. Although this parable was spoken nearly two thousand years ago, it contains all the essentials of a good seed bed which is so important to a good crop. Don't be so rushed with work this spring that you neglect to prepare a proper seed bed for your crops.



V. O. Braun

"Some seed fell by the wayside." If the soil is so packed or uneven that a disc or drill jumps over the surface without digging up enough soil to properly cover the seed, the grain sown is usually wasted in falling by the wayside. "Some fell upon stony places." It is difficult to prepare a good seed bed if the land is too stony. Stone picking is a laborious task but I believe it pays to pick them nevertheless. "Some fell among thorns." If Jesus were speaking today this would probably refer to quack grass, Canada thistles, and other noxious weeds. We all know what pests these "thorns" are on a farm. A good seed bed should be a fine, deep, compact, level soil which is free from weeds. Try and make your spring seed bed in such a condition; then sow the best seeds obtainable, and at harvest time you shall be rewarded for your efforts.

Liming for Alfalfa

I have received a number of inquiries in regard to whether soil located in a certain section needs lime for alfalfa, and if so how much and what kind to apply. In as much as this question seems to be a very frequent one as well as an important one, I shall answer it here.

There is only one sure method to determine whether a soil needs lime and how much and that is to test it. A tube of Soil-tex can be secured from the Soils Department at Michigan State College, East Lansing, for 25 cents and with it comes full directions for testing soil for acidity. The directions are very simple and anyone can test their own soil and find the exact amount of lime needed for raising alfalfa or the clovers. I would advise every reader of THE BUSINESS FARMER to send for a package of this Soil-tex.

The next question which comes up is what kind of lime to apply. The Soil-tex directions give the answer in tons of finely ground limestone, and this is the best and cheapest form of lime to apply. Some farmers have the idea that hydrated lime is the best form because it is more expensive and in a state of higher concentration. As a matter of fact 74 pounds of hydrated lime is equal to 100 pounds of limestone in satisfying the needs of the soil. The hydrated lime will cost nearly 3 times as much and will not last as long, being more soluble, and for this reason finely ground limestone is always recommended. This is the form we use on Spring Water Farm. We apply it according to the directions of the Soil-tex, and we always secure good re-

sults. In order for the limestone to be most effective it should be thoroughly worked into the soil and this should be done when the soil is in a medium dry condition.

Usually the best results are obtained when lime is applied to the soil a few months or a year previous to sowing the alfalfa or clover seed, although we have always sown the seed at about the same time as the lime was applied and have obtained very good results. If a farmer has marl on his farm it would probably be cheaper for him to apply several ydards of marl per acre than to purchase and apply limestone.

Some farmers lime their soil for alfalfa, purchase northern grown seed and then have a failure due to the fact that the seed was not inoculated. This factor is as important on soil where alfalfa has never been grown as liming. In the issue of March 17, I explained the proper method of legume inoculation.

Practice Cooperation

I had the amusing and rather unwelcome task a few days ago to act as referee or arbitrator between a landlord and his tenant over some differences which arose on the farm. It seems as if there is too much distrust, disagreement, and quarreling between landowners and renters in this day and age. If we farmers, whether we be landowners or renters practice to a greater extent the golden rule, our difficulties with our fellow men would disappear. A farm should never be rented unless a written contract is drawn up which states the proper status and relations of each party. Then co-operation should be practised which will lead to the benefit of all parties concerned. Renters seeking new farms each year means a financial loss to both parties.

On Spring Water Farm the utmost cooperation is practised. My farm manager, Mr. C. A. Brewer, has been on the farm for four years—ever since I have owned it—and we agree in a very satisfactory manner. He is an honest, upright young man, a hard worker, eager to learn, and not hostile toward taking suggestions. I never find it necessary to cuss him as I have seen some men cuss their tenants. In the first place he doesn't need it, and in the second place my judgment informs me he is a trifle too big and husky. We work together, plan together, and each try to practice the golden rule. I never ask anything of him I would not be willing to do myself and he does likewise. At the close of 1927 he informed me that he has done better on Spring Water Farm than any other place he has ever worked. We get along very well in spite of the fact that some of the neighbors prophesied we would not. Every farm owner and his tenant or hired man can do the same if they try. The next time differences arise between you and your tenant or neighbors just talk it over, try to see the other fellow's side of the question, practice the golden rule and your trouble will be ironed out without any loss or hard feelings.

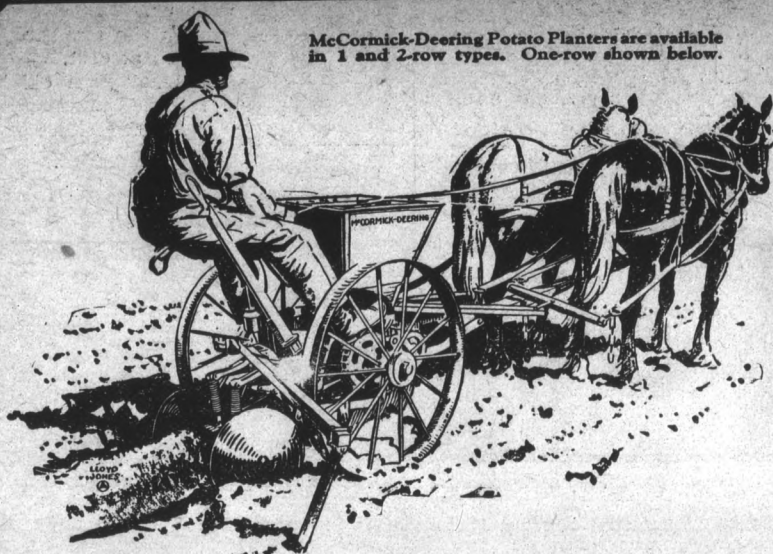
County Agent

Several farmers came into my office the other day, and we discussed the question of a county agent. I am sorry to state that Shiawassee county has no such agricultural (Continued on page 28)



FLOCK OF DUCKS RAISED IN BRANCH COUNTY

A flock of Fawn and Indian Runner ducks raised last year by Mrs. A. D. Bracy, of Branch county. She raised 150 and they began laying at 4½ months.



McCormick-Deering Potato Planters are available in 1 and 2-row types. One-row shown below.

There Is Real Money in Potato Growing —the McCormick-Deering Way!

THE McCormick-Deering potato planter handles cut seed and small whole seed with an accuracy as nearly one hundred per cent as it is possible to obtain with a mechanical planter. It possesses new and exclusive McCormick-Deering features, and employs the latest and approved principles of potato planter construction.

McCormick-Deering Potato Digger

The McCormick-Deering digger is made in a 6-ft. size for two horses and a 7-ft. size for four horses. The rear shaker thoroughly separates the potatoes from the dirt, and the vine turners throw vines and weeds to the side, leaving the potatoes in a clean row behind the digger.

Your local dealer can show you these McCormick-Deering planters and diggers. See him without delay.

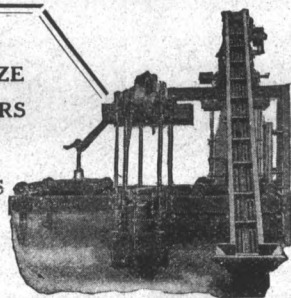


Two types: rod link and bar gate

INTERNATIONAL HARVESTER COMPANY of AMERICA (Incorporated)
606 So. Michigan Ave., Chicago, Ill.

McCormick - Deering Potato Planters and Diggers

SQUEEZE DOLLARS FROM APPLES WITH A



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E-Z POWER, portable, lasting, gives it 20 and more uses. Runs directly off crank shaft with belt. Operates spraying outfit, water pump, etc. Develops ¼ to 3/8-h.p. Fits any model—no holes to drill. Engine will not overheat.
PRICE \$35.00—SPECIAL 10 DAYS, \$27.50.
Illustrated folder shows its light, sturdy construction. 15 Day FREE Trial. Write Today.
E-Z Power Mfg. Co., Box A-71, Atchison, Kansas

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Absorbine will reduce inflamed, swollen joints, sprains, bruises, soft bunches. Quickly heals boils, poll evil, quitters, fistula and infected sores. Will not blister or remove hair. You can work horse while using. \$2.50 at druggists, or postpaid. Send for book 7-S free.



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THE BUSINESS FARMER
TELL YOUR FRIENDS ABOUT IT!
WHEN WRITING ADVERTISERS

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The Michigan BUSINESS FARMER

Title Registered U. S. Patent Office

SATURDAY, MARCH 31, 1928

Edited and Published by
THE RURAL PUBLISHING COMPANY, Inc.
George M. Slocum, President
MT. CLEMENS, MICHIGAN

DETROIT OFFICE—2-144 General Motors Buildings
LANSING OFFICE—232 S. Capitol Ave.
Represented in New York, Chicago, St. Louis and Minneapolis by
The Stockman-Business Farmer Trio.
Member of Agricultural Publishers Association
Member of Audit Bureau of Circulation

GEORGE M. SLOCUM.....Publisher
MILTON GRINNELL.....Editor
ROBERT J. MCCLUGAN.....Business Manager
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Published Bi-Weekly

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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"

KEEP THIS ISSUE ON FILE

WE have prepared this issue to interest every farmer who raises any poultry, whether he raises many or few, and we hope that you will put this copy away in a safe place where you can refer to it whenever you want to find out something about taking care of chicks or when you want to know of a reliable source from which to purchase baby chicks. The columns are filled with articles on poultry by specialists and advertisements of leading poultrymen throughout the State. We urge you to file this copy.

ORDERED YOUR POULTRY MARKER?

ARE you working with us in our campaign to stop rural thievery? Have you put proper locks on your chicken coops and installed alarms, or are you waiting for the "horse" to be stolen before you do anything? Have you put in your order for one of the M. B. F. Poultry Markers?

If we—and that word "we" means all of us—are going to stop this stealing we must work together. We can not give up anywhere along the line or the thieves will break through our battle line and make our chances of winning that much harder.

We insure our houses and barns against fire so that we may be protected to a certain extent if they should burn down. Most of us lock our automobiles when we leave them parked in town or city because we do not want thieves to steal them. Further, most of us have them insured besides.

Then why not protect ourselves against loss, if possible, from poultry thieves? Good locks will help and they are not prohibitive in price. Alarms are good, one kind frightening the thief away and the other letting you know he is there so that you can catch him red-handed if you want to. But if you are away from home, and Mr. Thief knows it, he may force the lock, disconnect your alarm and carry off all the poultry you have. Then what can you do? If he doesn't leave any clues you are pretty much "out of luck"—that is unless your chickens have an identification mark on them so that you can prove ownership, dead or alive. If they are marked with one of our special markers, having your own individual mark which is registered with all sheriffs and the poultry dealers throughout the State, you can identify them any time or place, because once the mark is properly put on it stays indefinitely.

At \$1.50 you are getting the advantage of a special wholesale price, because most markers sell all the way from \$3.00 up to \$5.00, and we can not promise that this low price can be continued for any certain length of time. This low figure is based on quantity production and we must have a large number of orders if we are to keep from advancing the price in the near future.

If you can not find a recent issue from which to clip the coupon for ordering a marker just write on a sheet of paper, "Send me one of your poultry markers" and sign your complete name and address. Put this in an envelop with a

money order or a check for \$1.50 and send it to us. Ink enough to mark 100 chickens comes with the marker. If you want more we can supply it at cost.

Mark your chickens while you still have them, folks. Thieves are not interested in taking marked articles of any kind because it is too much of a job to sell them without getting caught.

REVISING THE TARIFF

THE McMaster resolution recently passed by the Senate, calling for immediate revision downward of tariff schedules, is of striking interest to everyone engaged in agricultural pursuits.

The farmer has long suffered by reason of the inequitable situation resulting from a low tariff on agricultural products and a high tariff on the products of other businesses. This resolution would remedy the situation to a certain extent, but is it the best treatment for the trouble?

Since the United States is considered an exporter of agricultural products rather than an importer, it would seem, off hand, that if there was a downward revision to the tariff on non-agricultural commodities the results would be all that could be desired. But would it?

Agricultural leaders and organizations in general throughout the country do not appear to think so as many are urging higher tariff rates on several products. For instance, the bean growers would like to have the tariff increased on foreign beans so our markets will not be flooded with them almost as soon as the price for domestic stock reaches the level where the grower is making a fair profit. Sugar beet interests are very anxious to see a stiffer tariff on sugar and they are working for this change. Right now the organized milk producers of the country, especially of the middle west, are pulling every possible wire they can get their hands on to get Congress to increase the present duty on cream. The farmers of Michigan are very much interested in all three commodities.

If the tariff is reduced on non-agricultural commodities it will assist the farmer but it will also lower the standard of living of the American working man. If the tariff on agricultural products was increased so that it compared favorably with the duty on other commodities the standard of living of the laboring class would not suffer and the farmer who practices diversification would be better off.

However, we favor neither the high or the low tariff but believe there is a happy medium somewhere between. The duty should be higher than at present on some agricultural commodities to protect against foreign invasion while it could be lower on some non-agricultural products that the farmer buys in large quantities.

GOING TO FIX UP THIS SPRING?

IF you are planning to fix up your front yard this spring, do some landscape gardening to make it more attractive, you will be interested in a contest we are starting.

Making the farm home yard look attractive increases the value of the farm, makes the folks who live there feel more contented and attracts the eye and wins the admiration of the passerby. It is an investment that pays big dividends. We have always encouraged and urged folks to lay out their farm yards attractively. From time to time we publish articles on how to do this, the last one appearing in February of this year. Now we are going still further by starting a contest among the farmers of Michigan to see who will do the best job in 1928.

We are not quite ready to release full details on it yet but everyone who intends to compete should be getting a snapshot of their farm yard before they do anything to it so we are giving you notice at this time to get your pictures and send them in, advising that you wish to enter our contest.

Whether you are going to do all of the work yourself, only part of it, or intend to hire it all done you can enter this contest. What we are mostly interested in is the beautification of the farm and farm home and how it is accomplished is not of the greatest importance, just so it is done.

If you want any advice on your planting feel free to write us as questions will be gladly answered at all times. Send us a rough pencil sketch of your yard, giving location of your house, any trees or other buildings, and we will help you plan an attractive front yard, one that may be a winner in our contest.



MIAMI ain't all blown away, a lot of folks come here to play, and get their systems full of vim; the bathing beauties never swim, but just parade along the beach, with some young feller after each. Mirandy Jane, she sticks close by, so I just see them with one eye, she don't approve so much, I guess, the way that them young flappers dress. My idea, on the other hand, is, when you're in some different land, just do the way the Romans do and not get shocked at nothin' new.

The other day a New York guy says, "How about some golf?" so I went out and played a game. By gum, I used to play some pool at hum, but playin' golf you need a cart, them holes is half a mile apart. Some holes they put behind a hill; when I'd haul off and swat that pill, as like as not 'twould hit the crick, or light out where the weeds was thick. That feller he was so polite, he kept his grin hid out of sight, he showed me how to swing and hit until I got the hang of it. When I get home, as like as not, I'll take the old back pasture lot and make a golf course where I can go golfing with the hired man!

PETER PLOW'S PHILOSOPHY

My idea of a good optimist is a feller that expects his stolen chickens to come home to roost.

Feller with a black eye says he's glad these socks you get in the eye don't come in pairs.

One thing 'bout goin' into politics, you sure learn a lot of things 'bout yourself that you never knew before.

The sad thing about the airplane flights across the ocean seems to be the upkeep. So many folks get started alright but they can't keep their plane up in the air.

When the Editor told me this issue was goin' to be devoted to chickens I got right excited thinkin' I might see some pictures of the new spring styles—and then I learned it was the feathered kind he meant.

I was readin' in the paper 'bout a lady bein' ill and telephonin' a high toned doctor. Doc's secretary informed her she could see him "the followin' Tuesday, at 3 oclock." In a couple of days she received a printed card notifying her of her appointment. By Tuesday the lady was well so she didn't keep the date. Wouldn't that make an old country doctor who had shuffled out of this world of woe long ago turn over in his grave?

Ever hear this one? Two colored boys met on the street, and one says, "Say, Mose, how 'bout loanin' me two bits?" The other one said, "Loan yoh two bits? How come, boy; de las' time Ah saw yoh yoh was flush wid money and said yoh had a laundry." To which the first feller replied, "Well, Ah did have, but she's divorced me since den."

COMING EVENTS

April 10-11.—Annual meeting Livestock Loss Prevention Ass'n., Detroit, Mich.

Oct. 30-Nov. 2.—Top o' Michigan Potato Show, Gaylord, Mich.

Nov. 7-10.—Greenville Potato Show, Greenville, Mich.

Nov. 14-16.—Western Michigan Potato Show, Big Rapids, Mich.

"The Business Farmer" is more than a periodical It is an Institution of Service!

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.)

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 March 22, 1928

Total Number Claims Filed.....	3,150
Amount Involved.....	\$33,688.31
Total Number Claims Settled.....	2,629
Amount Secured.....	\$31,219.75

SALES SERVICE COMPANY

"LADIES—Make money at home, spare time, addressing cards; no canvassing; experience unnecessary; particulars send stamped envelope. Sales Service Co., Box 541, Hopkinsville, Ky."

AN investigation of this concern revealed the fact that it is the old newspaper clipping bureau scheme which we have condemned many times in these columns. Leo Carpenter is the name of the individual said to be back of the Sales Service Company.

RUBY FLOWER COMPANY

"\$15-\$25 WEEKLY—Making flowers or Pillows, Lamp Shades, Dresses, Hats. Steady work. No canvassing. Experience unnecessary. Particulars free. Ruby Flower Co., Hammond, Ind."

ANYONE answering this advertisement is urged to undertake the work of making artificial flowers and wreaths. Part of the "free particulars" is a request to send \$1.00 to cover cost of sample outfit and instructions for doing the work. If the flowers which the applicant makes in the home pass inspection at the company's headquarters, it is said, a repeat may be asked. But, according to statements made by the local manager to an official of the Better Business Bureau, this seldom happens. According to the literature of the concern the dollar will be returned after the worker has made \$6 worth of flowers, but if repeat orders are "seldom," chances of making \$6 worth of flowers for the company are small—and chances of getting back the dollar are still smaller.

It is said this concern also operates the Junell Company of the same city. They offer "\$25-\$50 weekly in your spare time" addressing envelopes. Investigation revealed they requested an applicant to send the company \$1 and agree to pay postman the balance of \$3.49 plus shipping charges upon arrival for "trial working supplies, envelopes, circular letter illustrations, postage stamps

for mailing them, and full instructions, together with one sample hat." Hands off such schemes, folks."

WHEN INVESTING

IF you have a little surplus money that you are considering investing, not speculating with, the following rough but ready gauge on what is offered you, prepared by the Better Business Bureau of Detroit, should be of value:

- 1.—Are there ample tangible assets—property of value—backing the security offered you?
- 2.—Has the security a present market value, and, if needs arise, could you borrow money on it?
- 3.—Are the company's officers trustworthy, honest and experienced in this particular line?
- 4.—Has the concern complied with the state laws governing the sale of securities?
- 5.—Has a past record of earnings proved the company's ability to operate at a substantial profit?
- 6.—Does continued success appear probable?
- 7.—Are the representations of advertising and salesmen 100 per cent facts?
- 8.—Is the promised yield, or return on your investment, consistent with safety?

If these questions are satisfactorily answered give the matter further consideration, consulting The Publisher's Desk or your local banker, but if they are not do not be "high-pressed" into buying. The questionable promoter never wants to give his prospective victim time to investigate because he knows if he does he will not make the sale.

THANKS

We received your card of February 24th, inquiring as to our settlement with the American Match Pants Co. We have just received a full settlement today, of \$9.75, the purchase price, which we can credit only to your splendid services. We would never have received a cent, only for the aid you gave us, and we cannot speak too highly of your paper and wonderful services to our friends and neighbors. Thanking you for all you have done, we remain MICHIGAN BUSINESS FARMER boosters.—A. B., Newago, Mich.

At last the American Sales Company has sent me my order. Received it last night, so you can take it out of your files, and I thank you many times.—Mrs. H., Coloma, Mich.

I am today in receipt of check in full settlement of my claim and I want to thank you very much for the service.—L. R., Holton, Mich.

A line to inform you I received my check from the Isaac Walton League just recently. I thank you for your interest in the matter, and feel it was through your kindly effort that they finally compensated me.—G. C., Lakeview, Mich.

We do not want to miss a single copy as we sure like your paper and we only wish it would come every week.—James Boyd, Wexford County.

TWO DEPUTIES DIVIDE \$50 REWARD

DEPUTY Sheriffs Joe Ruppert and Ollie Smith of Perry, have each been mailed checks for \$25 as reward money for their excellent work in running down a couple of chicken thieves. Not long ago two thieves, Messrs. K. Grant and E. Du Bois, broke into the chicken coop of Loyal Burdick of Shaftsbury, helping themselves to a considerable portion of Burdick's flock of chickens. Mrs. Burdick, as soon as she discovered her loss, immediately telephoned The Michigan Business Farmer, and notified the Sheriff's office. In the meantime the thieves were congratulating themselves on their fast get-away for they were safely located in Lansing. They overlooked, however, the two deputies, Ruppert and Smith, who were assigned the job of catching them. Ruppert and Smith are real deputies who have as their motto "Get your man," and they don't stop until their task is accomplished. After hours of investigation and a long hard drive, they arrested Grant and Du Bois at Lansing. The prisoners were brought before Justice Bruce of Perry and Grant was given a fine of \$40 and thirty days in jail while Du Bois was given a \$20 fine and twenty days in jail.

The Prosecuting Attorney and Sheriff of Shiawassee county are to be congratulated for the way they are going after chicken thieves and we feel that Justice of the Peace Frank Brace in this particular case, is likewise to be congratulated. Of course our hats are off to Ruppert and Smith for their untiring efforts. Chicken thieves have now learned they don't fool with their kind in Shiawassee county. Efficient officers and stiff jail sentences backed by the farmers' co-operation will solve the rural thievery problem. Lets all join hands!

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The Business Farmer, Mt. Clemens, Mich.

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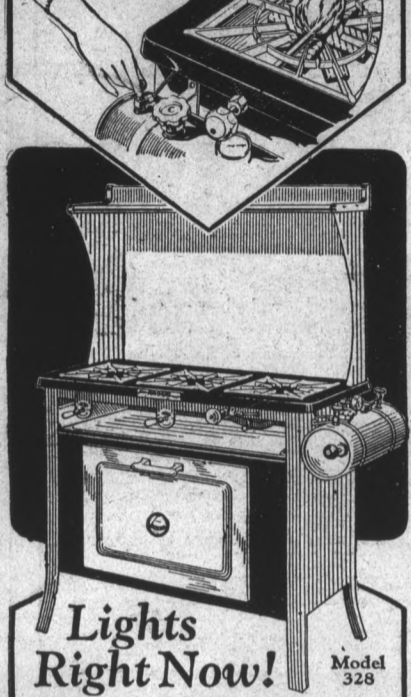
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CATAPULT

By NORRELL GREGORY

Another Tale of the Homestead Country

WHAT HAS HAPPENED SO FAR

THE two years following the one in which the Muirs sold out and came to Colorado, and bought a ranch over on the west side of the divide, were hard ones. Not only did the bottom drop out of the cattle market but a hard winter killed off a large number of their cattle. Things looked pretty dark, especially to Doug Summers, an orphan who came west with the Muirs, and Mary Muir, because they were planning on getting married just as soon as they could get a little money put aside. Doug being an expert rider, decides to earn some money riding bad horses. A prize of \$1,000 is offered to the man who can ride Catapult and Doug has his eye on that prize. His plans do not meet with the approval of the Muir family. The third winter was a terror and it was June before the cattle could be turned out on the range. By that time they were a sorry looking lot. To make matters worse many of them got poisoned on giant larkspur and they died on every hand. It looked as though the folks were going to lose out but they decided to break up some new land and try raising more wheat. They had a steam engine they called "Wild Cat" and Doug and Terry bought a large plow from a neighbor. Returning home with the plow after dark an automobile ran into them but no one was hurt. They learned it was one of their neighbors, Sid Stuttgart and his mother and sister. Next morning they got at their work of clearing and plowing. After they got this work done, Doug, Terry and Mort started out to ride the range to see how their cattle were coming along. They found plenty of dead ones. Doug went over to the Stuttgart ranch to ride some untamed horses.

(Continued from March 17 issue)

DOUg took out his tobacco pouch and rolled a smoke. Before he began riding, he had never smoked, but he quickly acquired the habit. No rider could be considered sophisticated unless he did.

Of the horses in the corral, he singled out a little dun-colored animal, sleek as a mole and supple as a marten, a trim little horse with a good, wide head and an inquisitive slant to his ears. Doug had learned a lot about horses during his two years in the mountains, and he immediately formed a strong liking for this one.

"I wonder," he reflected aloud, "if that is the horse Sid was talking about last night. Believe I'll get my saddle and take him a round or two."

"That's him," said a voice, below and behind him. Doug twisted about in surprise. Fay Stuttgart was laughing up at him. Doug gawped.

"That's Hobo," she continued. "They say he's a half-brother to Catapult himself."

"That's not a bad horse," said Doug stoutly. "I've seen and rode too many horses to believe that. He may be spoiled a little, but there's the making of a number one cow horse in that fellow. Never saw one I liked better."

"He's spoiled, all right," she said. "I'm sure you would agree to that if you'd see him grind Chal's leg into the corral until he shed tears; or see him the time he threw Spence so hard he was stunned; then tried to trample him."

"Did he actually do all that?" asked Doug incredulously.

"He actually did," she assured him. "Didn't I hear you say something about putting a saddle on him?"

There was a challenge in her voice, and Doug recognized it as such. He rolled off the corral pole with celerity. "Wait here," he requested; "I'm going after my saddle."

He was back quickly, with saddle, bridle and rope.

"I'll have to bridle him," he apologized. "since I haven't got anyone to ride herd for me. But I won't use the bit unless he tries to hurt himself."

She laughed at that, but following his quick, sure movements with admiring eyes as he slipped into the corral and shot a loop over the little horse's head.

Hobo submitted to the rope tamely and even allowed the bit to be slipped into his mouth and the saddle cinched on his back, without protest.

Doug drew his head slightly toward the stirrup and looked over the saddle at the girl, now perched precariously on the top pole of the corral.

"Better get down from there," he ordered.

"Why so?" she wanted to know. "I won't frighten him any."

"If he's a fence rower," he said, "as you hinted a while ago, he's liable to knock you off if I can't keep him away from the fence."

"I'll stay here," she decided, a sparkle of excitement coming into her eyes. "I don't want to miss any of this ride."

"Suit yourself," said Doug, and swung swiftly into the saddle. Or, to be exact, into what he thought was the saddle. When he came down where he thought the saddle was, it wasn't there. Hobo had tricked him. Assuming docility, he had watched, out of the corner of his eye, until Doug's foot had left the ground, then made a swift bound forward.

It was an old trick. Doug had had it played on him many a time. But he had thought he was too good a rider to be tricked so simply, and now when he found himself behind the saddle, his knees gripping the convulsing sides of the little dun, he knew he was in for it. And he felt foolish.

He knew he would have no chance back there, and he also knew how ludicrous he would appear hanging onto the cantle of the saddle for dear life. He could even vision himself in the long arc that he would travel when Hobo threw him; decided that it would be in her direction.

And so, as Hobo gathered himself for the fray, he suddenly dropped the reins and turned a back summersault as gracefully as possible, if, indeed, there can be any grace to such a movement.

Hobo was plainly puzzled with such a move. For a second he stood with his back humped, his head turned looking at Doug. The girl was surprised. But she laughed heartily.

"I didn't know you were a clown as well as a rider, Doug," she said.

"Well," he said, "you see, it's not often I have such an extensive audience. When I do, I like to put on something special."

She laughed at that.

"It's fortunate," she said, "that Hobo didn't decide to put on something special while you were standing on your head."

"He's not a bad horse," said Doug. "I know horses too well for that. Spoiled a little, maybe. But a wise little horse when you come to know him. Now, we'll put on the main show. Are you coming down from that perch before it starts?"

"No," she vetoed; "I don't want to miss any of it."

Doug was more wary this time. He had been caught napping once, and he was not sure that he had saved himself from appearing ludicrous.

He drew Hobo's head almost to the stirrup—a shaky business, he knew, in case of a biter, but Hobo, he knew, was no biter. No horse with ears set the way his did would bite. He drew the horse's head almost to the stirrup so that when Hobo made the bound to cause the rider to miss the saddle the horse would swerve toward him. Then a second time Doug swung aboard.

As before, when Doug's foot left the ground, Hobo sprang like a streak of light. But he followed his head and swerved toward Doug. Doug had swung hard. His bound met Hobo's, so to speak, and he struck the saddle hard, so hard he was for the movement dazed. Had Hobo uncorked one good pitch at that time, Doug would have been thrown sky-high.

But Hobo was off balance, too, and by the time he had recovered himself, so had Doug. Doug jerked off his hat, waved it gaily, and smote the horse about the ears. Hobo reached for altitude.

It seemed to Doug, as the horse under him recoiled, that he had never known a horse to go so high; and he was absolutely certain that he had never known one to hit so hard when Hobo's four bunched hoofs did strike the ground. It seemed that some massive hammer had smote him on top of his head, while a similar one seemed to drive the base of his spine upward. There was a twist, too, at the end of the drive that came in a hair's breadth of unseating him the first pitch.

After that first deliberate pitch, Hobo accelerated. The longer he went the wilder he became. It seemed he lost his head entirely and developed into a wild horse. Could Doug have viewed him then from a spectator's standpoint, he would hardly have recognized him as the docile appearing little dun he first examined. As it was, he could scarcely see anything. Even the girl on the fence seemed to be gyrating crazily, and when Hobo smashed broadside into the corral, directly beneath her, he hardly felt the shock, altho his left leg suddenly went numb.

He was too entirely busy to note that the shock the horse had imparted to the fence had unbalanced the girl and all but dislodged her. And when Hobo struck again, catching her at a disadvantage, she was hurried, head over heels, almost beneath his frenzied hoofs.

Doug saw her then and surged back on the big spade bit which hitherto he had disdained. The big pointed spade spread in Hobo's locked jaws and his mouth flew open with a violence.

Blood and foam followed the savage bite of that bit and Hobo grunted and sat down on his haunches, his spreading forelegs almost embracing the girl. Yes, Hobo sat back on his haunches, doglike, and remained in that ludicrous position. He was thru; his bolt was shot. Never again would he fight to dislodge a rider as he had fought before.

Doug slid down, a bit shakily, picked up the girl and carried her out of the corral. The shock of the fall had knocked the breath from her, but she was all right as soon as it came back.

"I told you," said Doug severely, "not to set on that fence. If there had been a hackmore on him instead of a good

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spade bit, there'd been a different story to tell.

"It was a wonderful ride," she said at length, "a wonderful ride."

Doug looked out at the pines to avoid meeting her eyes.

"Nothing spectacular about it," he said shortly. "Can you stand alone now?"

"Of course," she proved it. "I thought the boys were just joking about your riding abilities," she said slowly. "I know now they were not."

"He was a warm baby while he lasted," said Doug, looking at Hobo with admiration. "He had me foggy a time or two. Never suspected such a fight out of him. But I don't imagine there'll be much fight in him from now on."

Sid came out while they were talking, plainly groggy from the night's carousal.

He, too, made for the creek directly and coming back with a cleared head, saw them.

"Hello, there," he greeted, you've got a quick comeback, Summers. Feel like topping a bad horse this morning?"

"Just finished," said Doug, "pointing to the drooping Hobo. "Your sister could ride him now."

Sid stared open mouthed, turned to Fay for confirmation. She nodded. "I'd give a thousand dollars to have seen it," said Sid at length. "Next time, don't be so chary with your invitations."

"He didn't even invite me," said Fay. "I just caught him in the act. It was worth seeing," she added; "but a little terrible, too."

(Continued in April 7th issue)

• • With the Farm Flocks • •

(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.)

HOMEMADE BROODERS

THERE are numerous types of home-made brooders that have proved their worth, as there are numerous types that are worthless. When we depart from nature's plan we are taking chances on success.

Nature has arranged so that the heat from the mother hen's body shall fall upon the chick's back, hence hover-type brooders are recommended as they conform to nature's plan.

A very successful hover-type brooder may be made from a discarded, leaky wash tub, a lantern, a piece of 1/4-inch mesh hardware cloth, a flue stop, 4 blocks of wood, plus a little labor.

The hardware cloth is used as a protection to keep the chicks from coming in contact with the lantern. Form a hollow tube of it. Make it large enough so that the lantern can easily be withdrawn for filling and cleaning. Wire this firmly together so it will retain its shape. This tube will need to be long enough to extend from the floor up through the tub, and extend several inches above the bottom of the tub which is the top of the hover. The position of the tub is upside down, the edge rests on the blocks of wood which are 8 to 10 inches from the floor, allowing entry of the chicks. It also throws the heat near the floor before permitting it to be spread out from under the tub.

A circular hole must now be cut in the bottom of the tub large enough to permit the protector and lantern to be placed in position. Place the flue stop over the top opening of the protector tube. This prevents any chicks falling into the tube from the top. This must be so placed that it is easily removed and replaced, as must be done each time the lantern is refilled. Get a flue stop with the strap holdings for the flue.—Mrs. I. F.

SOFT SHELLED EGGS

What causes so many soft shelled eggs? They eat so many.—Mrs. S. H. G., Millington, Mich.

SOFT shelled eggs are usually caused by a lack of calcium carbonate of soda. Calcium carbonate can be added by giving oyster shell, or by adding ground limestone to the mash. We have also found that cod liver oil makes mineral content of the feed more available, hence improves egg shell texture.—C. G. Card, Prof. of Poultry Husbandry, M. S. C.

CULL BEANS IN LAYING MASH

I have a lot of cull beans. Will it do any harm to cook and feed them to laying hens?—C. M., Mesick, Michigan.

CULL beans when mixed with the laying mash, prove very satisfactory to the laying hens.—C. G. Card, Prof. of Poultry Husbandry, Michigan State College.

MUSINGS OF A PLAIN FARMER

GREETINGS! M. B. F. Friends! With the Editor's permission I will again attempt to muse.

I have been doing a Rip Van Winkle act, but since the sun's rays have become stronger I have been able to absorb a little vitamin D.

Mrs. B. has also put me on a balanced ration and I believe within a fortnight I'll be in the pink of condition. Ready to take part in the battle of the century.

My first effort in the space assigned me by the Editor will be to capture some of my thoughts and contemplations while doing my work about the farm.

Farm work is monotonous at best this time of year. But the whirl of production will soon be upon us and that's when I hit on all four cylinders with these musings.

I have sent my halter man to lead in some thoughts for the next issue of M. B. F. and will close this article as a kind of notice of my resurrection.

I wish to thank you for the good service we have received through your paper, always receiving a prompt answer to all our letters of inquiry. THE BUSINESS FARMER is the best of our farm papers, and we have several.—John Adelson, Oscoda County.



A. B. BALLARD



AN EGG LAYING RECORD TO BEAT

"A picture of part of my flock of 116 pullets," writes Mrs. Jessie Stevens, of Montcalm County. "There are 26 nests in our poultry house and often they are all in use and five or six pullets are waiting in line. They were bought in May and began laying in October. During October I got 240 eggs; in November, 1392 eggs; in December, 2542; January, 2726; and February, up to 20th, 1720. This made a total of 8,620 eggs. I got as high as 94 eggs in one day and averaged 87 per day in January and February."

LEADING ALL Michigan Breeders

THE February reports from Egg Laying contest place Karsten's Pen of Star XXX Mating pullets as leading all Michigan Breeders for the month's production. This contest winning strain, of White Leghorn Baby Chicks is offered to the chick buying public at prices that you would pay for common Leghorns. The pullets entered in these laying contests are from our Star XXX Mating blood lines, and are the same egg bred strain of chicks that are purchased by a large number of commercial egg farmers.

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WEST VIRGINIA EGG LAYING CONTEST
Dunbar, West Virginia
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High pen entire contest for year
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NORTH WESTERN YEAST POAM CONTEST
Glen Ellyn, Illinois
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2nd and 3rd high birds entire contest
LEADING ALL MICHIGAN BREEDERS

IOWA EGG LAYING CONTEST
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And each bitter cup that you quaff;
Lock all your heartaches within it,
Then sit on the lid—and laugh.

Tell no one else its contents,
Never its secrets share;
When you're dropped in your care and
worry
Keep them forever there;
Hide them from sight so completely
That the world will never dream half;
Fasten the strong-box securely—
Then sit on the lid and laugh!

CLUB PROGRAMS

WHAT is a meeting without a program? It usually does not amount to much and members soon lose interest. So let us work out a type of program that will meet average needs, and also serve as a working basis for the club that is "different."

Programs should be prepared well in advance of the time they are to be given. It is unfair to ask anybody to take part in a program on less than two weeks' notice; a month is not too much time. It must be remembered that the members themselves are interested in knowing the program for a meeting ahead of time, and the program for each meeting should be announced at the previous meeting.

1. Roll call (Respond with a short quotation, name your hobby, tell how you earned your first dollar or your last one, etc.); 2. group singing; 3. read minutes of previous meeting; 4. reports of committees; 5. treasurer's report; 6. unfinished business; 7. new business; 8. program; 9. adjournment; 10. social hour.

The program may consist of one or two musical selections, a humorous reading, one or two papers on assigned subjects followed by an open discussion, more group singing or a vocal solo, or a talk by an outside speaker.

Have your organized your community club yet?

AUNT AMELIA'S ADVICE ON STOCKINGS

NOW-A-DAYS, thinks I, it takes a lot of pin money to keep us girls in silk stockings. 'Course it isn't absolutely essential that we have these awful luxuries but a lot of folks say, one might as well be dead as out of style and you can bet your life I'm going to live just as long as I can hang on. So I just got to thinking that there were a lot of folks ready to tell me what kind of stockings to buy and willing enough to sell them but there weren't any of those people who seemed to know how to keep them from wearing out. Now that's what I've been doing the last few months, experimenting, guess you would call it, anyhow I learned a lot, and thought maybe I could pass my ideas along.

First, buy more than one pair of the same color, then if one of them springs a run or has an accident you still have three good ones left and so on until they are all worn out. However, don't overdo it and buy too many alike and let them lie in your drawer too long, because silk rots, I probably should have said deteriorates, anyhow that's what happens, silk gets weak from age. Some times a brand new pair doesn't wear, so probably it has been on a shelf too long.

Next, stockings will last just twice as long if you will rinse them out in luke warm water when you take them off. Just one rinsing in clear water seems to remove the perspiration absorbed so quickly from the foot. We don't realize how much damage this does until we start to really take care of them.

Then there was the question of storing them. Keeping them in a drawer, neatly folded or rolled up, is all right if we spend the time to keep them, in order but somehow mine never seemed to stay put. First thing I knew I would have a drawer full of good ones, darned ones and a few stray ones without mates, and this was no way to care for such priceless possessions. So I decided to make them a bag like my shoe bag, and this solved my problem. Each pair has its own pocket now, and there are no arguments between us.

THE FARM HOME

A DEPARTMENT FOR WOMEN
Edited by MRS. ANNIE TAYLOR

DEAR FOLKS: As a child, did you ever dream about fairyland—a place where the grass was greener, skies bluer, and flowers more abundant and beautiful than any you had ever seen before? Well, Sunday afternoon I thought my childhood dreams had come true, as I passed through the great swinging doors of Convention Hall in Detroit and gazed upon that marvelous display of foliage and flowers that was the North American Flower Show.

Roses! Dear people, I never saw such roses! Great, long-stemmed red ones, white ones, yellow ones, taller than you or I, in huge bouquets measuring fully five or six feet across. Real flowers!

And inside this one vast garden there were other smaller gardens. There was a replica of Mrs. Henry Ford's rose garden, with water falling green from the fountain but lying deep blue in the pool beneath it, the result of the lightning arrangement. Tiny, twisty paths led hither, thither, and yon through arbors, around shrub-massed corners, and no place in particular. There was a cave underneath the fountain, too, which was so realistic that you almost expected to see the Old Man of the Sea emerging from it. There were rock gardens with flowers in the crannies, and spring gardens colorful and fragrant with tulips, hyacinths, narcissus, and daffodils. Even pocket-handkerchief lawns were planted artistically which proved conclusively that no matter how small a space you have some sort of a garden is possible.

Masses of green and white—Easter lilies! Organ music and flickering candles! Which reminds us that the anniversary of the resurrection of Christ is not far away.

Outside again, the dream at an end. A gust of cold March wind laden with snow forced us to turn up our coat collars and bend our heads to meet the blast.

The collection, my companion told me, was estimated as priceless; but almost without cost we had partaken of a bounteous feast of beauty. Flowers are one luxury that one does not need to possess in order to enjoy.

*Your Friend,
Mrs. Annie Taylor*

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

In my closet there was a wall space of 22 inches in width and this I decided to use. I found about the house a piece of unbleached muslin, and cut on oblong 20 inches by 26 inches. Next I cut four strips 5 inches wide and 25 inches long, finished both edges of these strips with bias tape. Then I divided these strips in five equal parts and in the middle of each part I pinned a one inch box plait for fullness. This makes the strips 20 inches long or the width of the finished bag. Now leave three inches at the top and pin the first row of pockets in place. Leave one inch and pin on the sec-

ond row and so on until the four rows are on. Then stitch them in place across the bottom. Next stitch from the top down every four inches apart and you will find that you have twenty pockets, just large enough to house a pair of stockings. Now finish the entire outer edge with bias and its finished.

The top row I keep for my very best ones, the second, my next best and so on down until at the bottom I find the odds and ends, some waiting for mates while others would be satisfied with just a stitch or two. Anyhow now I have them classified according to their merits.

AIDS TO GOOD DRESSING



6099.—Boys' Suit.—Cut in 4 sizes: 2, 4, 6 and 8 years. A 6 year size requires 2 3/4 yards of 27 inch material together with 3/4 yard of contrasting material.

6085.—Ladies' House Dress.—Cut in 7 sizes: 34, 36, 38, 40, 42, 44 and 46 inches bust measure. A 38 inch size requires 4 1/2 yards of 36 inch material, together with 3/4 yard of 36 inch contrasting material. The width of the dress at the lower edge with plaits extended is 2 1/2 yards.

6067.—Child's Dress.—Cut in 4 sizes: 2, 4, 6 and 8 years. A 6 year size requires 2 1/2 yards of 32 inch material. To face the yoke bands with contrasting material requires 3/4 yard 27 inches wide. To finish with narrow bias binding, as illustrated requires 4 1/2 yards.

6054.—Misses' Dress.—Cut in 3 sizes: 16, 18, and 20 years. An 18 year size requires 1 1/2 yards of checked or figured material 36 inches wide and 3 yards of plain material. If made without the jacket 1 1/4 yards of plain material is required. The width of the dress at the lower edge with plaits extended is 2 yards.



BE SURE TO GIVE SIZE

ALL PATTERNS 13c EACH— 2 FOR 25c POSTPAID

ADD 10c FOR SPRING AND SUMMER
1928 FASHION BOOK

Order from this or former issues of The Business Farmer, giving number and sign your name and address plainly.

Address all orders for patterns to

Pattern Department

THE BUSINESS FARMER
Mt. Clemens, Mich.

A fine idea would be to include the socks and the youngsters' stockings in this plan.—Aunt Amelia.

BABY'S LAYETTE

WHAT price baby's layette? Specialists tell us that it need cost no greater sum than \$14.75. It is expensive to have a baby, and many a prospective mother has wondered just what she needed to be in complete readiness for the little new comer without going to excess. Now we have the information to solve her problem. Here is the list:

Three infants' binders; 3 nainsook dresses; 2 nainsook Gertrudes; 2 flannelette Gertrudes; 3 wool shirts; 3 flannelette gowns; 1 flannelette sacque; 1 flannelette wrapper; 1 towel; 2 wash cloths; 2 pair wool hose; 1 pad; 3 cards safety pins; 2 receiving blankets; 24 diapers. Fifty-three pieces in all.

If you want to know where this outfit may be purchased for the price stated above, we will be glad to give you this information upon receipt of your inquiry.

Personal Column

Songs Requested.—It's Hard To Be Locked Up in Prison; Flowers for Mother's Grave; Put On Your Old Gray Bonnet; The Red Headed Music Maker; Let Me Call You Sweetheart; The trail of the Lonesome Pine.

Poem Wanted.—I would like very much to get a poem entitled, "Little Rhoda."—Mrs. H. W. U., Ravenna.

School Lunch.—I enjoy the many helpful things on your Mothers' Page of THE BUSINESS FARMER, and am sending a suggestion for the school lunch that helps me out wonderfully, as I have two boys in school and know what it means to put up lunches each day.

The thermos bottle is a great help but can only be used for hot drinks or very thin soups. I keep small sized cans, such as sirup and molasses come in, being careful that they never get rusty. In these I can pack beans, macaroni, soups, scalloped potatoes, noodles, etc. I am always careful that they are quite moist. At recess the boys lift the cover slightly and set them on the furnace. At noon they are piping hot and go a long way toward making an otherwise unappetizing lunch palatable.—Mrs. C. M. C., Dowagiac, Mich.

Folks at Our House Like—

Peach Shortcake.—We enjoy this shortcake in cold weather; and if we have company come and no dessert on hand it is short work to make one.

Take a chunk of butter the size of a small apple and mix it with one egg. Also add one cup milk, a little salt, two teaspoonful baking powder, and about two cups of flour sifted and mixed with the rest. Grease a large pie plate and bake batter. Later open a can of peaches and pour over the cake. Serve with milk or cream.—Mrs. M.

Klever Kiddies

I was scolding my little girl the other day, and I said, "Loretta, don't look so cross." Whereupon my little boy spoke up, "She don't look cross, Mamma. She just looks cloudy."—Mrs. W. C. W.

Favorite Songs

GET AWAY OLD MAN GET AWAY

Now listen all you maidens
About to choose a man
Don't take one who is ancient
Get a young one if you can.

CHORUS:

For the old man he is old
For the old man he is gray
But a young man's heart is full of love
Get away old man get away.

If you marry an old man
Now list to what I say
You're sure to meet a young man
Who'll steal your heart away.

Be sure to get a young man
With red and rosy cheeks
Don't get a man with cane in his hand
For his back is very weak.

I'd rather marry a young man
With a hundred cows to milk
Than marry an old man
With pockets lined with silk.

I'd sooner marry a young man
With an apple in his hand
Than marry an old man
With a hundred acres of land.

Don't ever marry an old man
I'll tell you the reason why
His lips are all tobacco juice
And his chin is never dry.

CHORUS:

Get away old man get away
Get away old man get away
Sho fly don't bother me
Sho fly don't bother me
Get away old man get away.

—if you are well bred!

Walking Along Street.—I always had heard that it was very incorrect for a man to let a woman walk on the outside of the sidewalk, but lately one of my friends told me that it didn't matter where you walked. Which is right?—Reader.

Most good social usages rise out of necessity. In the old days, when streets were very narrow and crooked and the eaves of the buildings used to almost touch each other across the street, the outside position was quite undesirable in walking along, since the water running off the roofs in bad weather was quite liable to give one a drenching if he did not walk quite close to the buildings. Also, soldiers and other horsemen would ride recklessly through these streets, causing everyone on foot to hug the wall to keep from being struck and injured. Since the inner side of the street was always the safer, it became a social rule that a gentleman escorting a lady should protect her by placing himself on the outside.

Nowadays in cities, the place next to the curb is no longer undesirable, except in wet weather when one is apt to become splashed by passing automobiles, and this social rule is no longer insisted upon. One may do it or not do it, as he chooses. At the outset of a walk, it is well for the man to take the outside position, but it certainly is not necessary for him to keep changing his position every time they chance to cross a street or turn a corner which throws him on the inside.

What To Eat

What shall we have for Sunday dinner? Chicken again? Well, let's cook it a different way this time.

Chicken a la King.—2 cups cold sliced chicken; 1 onion; 3 tbsp. butter; 1½ cups milk; 2 egg yolks; 1 green pepper; 3 or 4 mushrooms, 2 tbsp. flour; ½ cup cream; 3 tbsp. chopped pimento. Cook the shredded green pepper and mushrooms in the 3 tbsp. butter five minutes. Add 1 small grated onion, flour (thin paste), 1½ cups milk, salt and paprika to taste. Add the chicken, pimento, bring to boiling point, and add ½ cup cream with 2 eggs beaten in it. Cook about 5 minutes. Serve on toast. (Yield 8 servings.)

Georgia Chicken.—Select a young chicken, cut up for frying. Roll thoroughly in flour. Use a heavy kettle with air tight lid. Fry out about one-third pound of thin strips of salt pork. Brown the chicken thoroughly. Add two slices of onion, a small amount of water, and let simmer over a very low fire until about two-thirds cooked, then add milk and let simmer slowly until cooked tender.

"How will you have your eggs?" Eggs are highly nutritious and their food value should not be ruined in the cooking. To

get the most profit of the iron, lime, phosphorus, vitamins, protein, and fat furnished by eggs we should cook them at a low temperature. Never fry eggs.

Hard-cooked Eggs.—Eggs are no longer hard boiled. Bring water to the boiling point, slip in the desired number of eggs, remove pan to back of stove where water will remain hot but not boil, cover tightly, and leave for a half hour. Eggs cooked in this way are much more palatable and digestible than the regulation hard-boiled egg.

Goldenrod Eggs.—2 hard-boiled eggs; 2 tbsp. flour; pepper; salt; 1 tbsp. butter; ¼ cup milk; 3 slices toast. Separate the yolk and white of the cooked eggs, and chop the whites. Make a white sauce of the flour, seasoning, butter, and milk. Add the chopped egg whites to the sauce and pour it over the toast. Press through a strainer or crush them with a fork and sprinkle them over the top of the toast. Serve at once.

Scrambled Eggs.—1 egg; 1 tbsp. cream or milk; salt and pepper; 1 tbsp. butter. Beat the egg well, add the cream, seasoning, and melted butter. Cook in double boiler, stirring constantly until the mixture is thick and cooked through.

WOMEN'S EXCHANGE

If you have something to exchange, we will print it FREE under this heading providing: First—it appeals to women and is a bonifide exchange, no cash involved. Second—it will go in three lines. Third—you are a paid-up subscriber to The Business Farmer and attach your address label from a recent issue to prove it. Exchange offers will be numbered and inserted in the order received as we have room. —MRS. ANNIE TAYLOR, Editor.

165.—Flower seeds for gingham and percale pieces.—Mrs. C. Meyers, Route 1, Hemlock, Mich.

166.—Flower shrubs for second hand clothing and quilt pieces.—Mrs. J. W. Croff, R. 4, Hesperia, Mich.

167.—Steel range for kitchen cabinet or combination book case and desk.—Mrs. M. A. Bates, Lake George, Mich.

168.—Auto knitter, triplex, for almost anything. What have you?—Mrs. Norman Pierce, Climax, Mich.

169.—Plant bulbs, iris and comos, for quilt pieces.—Mrs. Joe Dupuie, Standish, Mich.

170.—Electric iron and floor lamp for second hand roll top desk.—George Hankey, R. 1, South Haven, Mich.

Cook up the next batch of tomatoes in the discolored aluminum kettle. It won't hurt the tomatoes and it will leave the kettle clean and bright.

A cupboard between the dining room and kitchen with door on either side saves time and space.

Tricks in Trade of Home Dressmaking

By MRS. DORA R. BARNES

BOUND BUTTONHOLES

1. Mark with a pencil the place where the buttonhole is to be cut, having the mark the exact length of buttonhole.

2. Cut the piece to be used for the binding 2½ inches wide and one inch longer than mark. (This piece may be cut on the straight or bias, depending upon the finish desired.)

Lay this piece over the place where the buttonhole is to be, right sides together and centers together, and baste there. (Fig. 1.)

3. Stitch the width of the presser

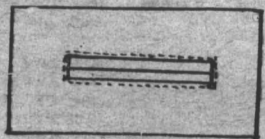
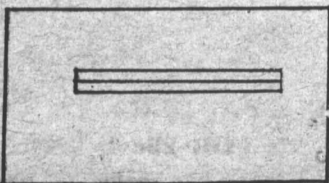
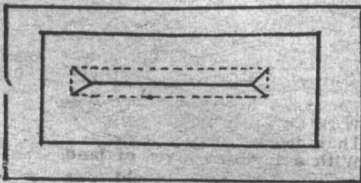
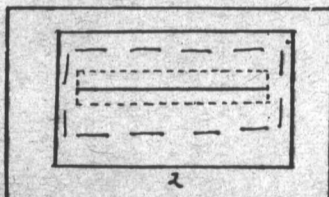
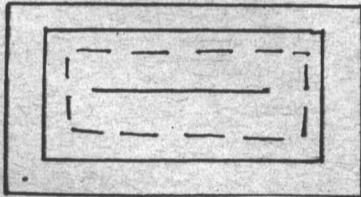
foot, or the width desired, from the mark all around, making a square corner. (Fig. 2.)

4. Cut through both pieces on the mark and diagonally at the corners. (Fig. 3.)

5. Pull the binding through to the wrong side and pull back the short ends and press down firmly.

6. Bring the cut edges back to the middle, and turn in the edges of the binding and stitch down either by hand or machine. (Figs. 4 and 5.)

Bound buttonholes are used for dresses, suits, belts, etc. or as a foundation for set-in pockets.



Showing how bound buttonholes are made.

Don't Wait Order Your Chicks NOW

Our April and May chicks are best for year 'round production. Will lay all winter. We can still furnish some on a few choice dates.

HOLLYWOOD WHITE LEGHORNS

They are of large size and most gentle of all Leghorns. Heavy Producers of large size eggs that really ARE WHITE. A popular breed for Commercial Egg Farmers, as the eggs command a good premium on leading egg markets.

Eggs from our Contest Pullets averaged 25 ounces to the dozen during January.

A local customer reports over \$3.00 per bird profit and had best grade of eggs at the local egg producers' association, which has a membership of about 400 farmers. We have the Pure Hollywood and Hollywood Mated, at prices that are right.

BARRED ROCKS AND ANCONAS

Two very popular breeds. Order at once for April and May delivery, as our supply of these is limited. All Michigan Accredited from the choicest breeders.

We guarantee live delivery and pay the postage. Will ship C. O. D. Write for our catalog which explains our

WYNGARDEN FARMS & HATCHERY

BOX B

ZEELAND, MICH.



HUNDERMAN CHICKS

Our chicks are hatched from free farm range breeders. Every chick is Michigan Accredited which means it is from breeders that have passed the official inspection of poultry specialists under the supervision of Michigan State Poultry Improvement associations. Refer you to State Commercial Savings Bank. Order from this ad.

SPECIAL GRADE—Pedigreed Males	25	50	100	500	1000
S. C. White Leghorns	\$3.75	\$7.25	\$14.00	\$67.50	\$130.00
REGULAR GRADE					
S. C. White Leghorns—English Type	3.25	6.00	11.00	52.50	100.00
S. C. Brown Leghorns—Heavy Type	3.25	6.00	11.00	52.50	100.00
SPECIAL GRADE					
Barred Rocks	4.75	9.00	17.00	80.00	
REGULAR GRADE					
Barred Rocks	4.25	7.50	14.00	67.50	130.00
S. C. Reds	4.25	7.50	14.00	67.50	130.00
Light Mixed	2.25	4.00	7.00	35.00	
Heavy Mixed	3.25	6.00	11.00		

10% down books your order—100% live delivery prepaid. Get our free catalog. It tells all about our special mated grades. It is time to order to get your pullets now. Get our latest prices.

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Also Mixed Chicks. Order now for preferred delivery dates. We guarantee 100% Live Delivery. Free Circular gives full details. Write for copy and learn at first hand about these Big Profit Producers.

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WINSTROM HATCHERY
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Zeeland, Michigan

Accredited White Leghorn Chicks

HOLLYWOOD and HOLLYWOOD SIRE	200 to 250 egg stock, and Commercial stock.	500	1000
Star Matings	\$7.75	\$15.00	\$22.50
Utility Matings	6.75	13.00	19.50
Commercial Matings	5.25	10.00	15.00

Left over \$8.00 per 100. Order direct from adv. Send 10% with order, balance one week before delivery. We guarantee 100% live delivery by Prepaid Parcel Post. Prompt shipment on date desired.

M. D. WYNGARDEN R. 4, Box 41 Zeeland, Mich.

MICHIGAN ACCREDITED CHICKS

Buy your chicks from heavy laying flocks that are officially accredited by inspectors supervised by Michigan State College and of prize winners at the Holland Poultry Show having the best display on Barred Rocks in the production class. White and Brown Leghorns, Anconas, Barred Rocks, S. C. R. I. Reds. 100% live delivery postpaid. Send at once for free catalogue, full particulars and detailed prices.

HILLVIEW HATCHERY, C. Boven, Prop. R. 8, Box B Holland, Mich.

ENGLISH TYPE WHITE LEGHORNS
MICHIGAN ACCREDITED

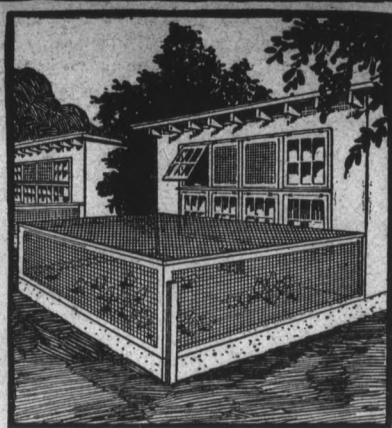
All Birds on our farm Trapnested. Pedigree work done from these records. The Big, Deep-Bodied Hens with Large Combs that produce large, white eggs. Your success with poultry depends on your foundation stock. Start right. Our new 1928 Catalog tells how and what to do to raise chicks profitably.

Send for Your Copy before you Buy any Chicks

OTTAWA HATCHERY & POULTRY FARM
ROUTE 10, BOX 42-B HOLLAND, MICHIGAN

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In addition, your house and yard need not be moved to new, unused areas because concrete is easily kept clean.

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MICHIGAN ACCREDITED EGG BRED CHICKS

Dr. Heasley's Profit Payers

CHICKS FROM EGGS THAT WIN!

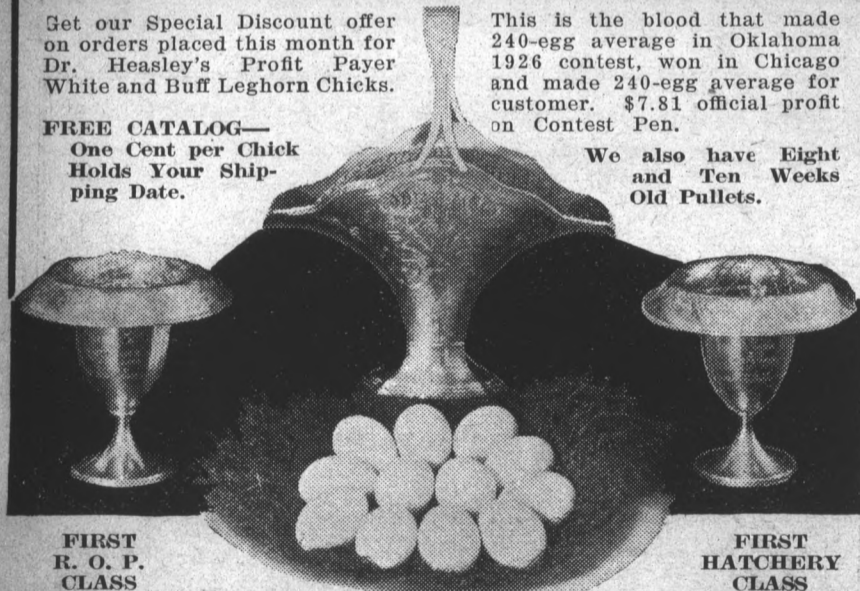
This Great Sweepstakes Championship win of best White Eggs in the whole show at Michigan State College, Feb. 4, 1928; Sweepstakes R. O. P. Class, and Sweepstakes Hatchery Class proves we have the kind of eggs that bring the premium prices in our contest quality blood lines. These eggs were selected direct from flocks from which we sell you eggs and chicks.

Get our Special Discount offer on orders placed this month for Dr. Heasley's Profit Payer White and Buff Leghorn Chicks.

FREE CATALOG—
One Cent per Chick
Holds Your Shipping Date.

This is the blood that made 240-egg average in Oklahoma 1926 contest, won in Chicago and made 240-egg average for customer. \$7.81 official profit on Contest Pen.

We also have Eight and Ten Weeks Old Pullets.



DR. L. E. HEASLEY FARMS, Dept. MB, Grand Rapids, Mich.



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S. C. White and Brown Leghorns, Anconas, Black Minorcas, S. C. Rhode Island Reds and Barred Rocks of High Egg Bred Blood Lines, from fast growing, quick maturing Strains. All Michigan Accredited. Orders now being booked for Spring Delivery.

SEND FOR OUR CATALOG. Tells all about our matings, and how to raise poultry for greater profit. We'll gladly send it FREE to Poultry Raisers.

We Guarantee 100% Safe Arrival in GOOD HEALTH

Overnight shipments to all points within 500 miles.

AMERICAN CHICK FARM, Box B, ZEELAND, MICHIGAN

The Children's Hour

The Children's Hour Club

Motto: Do Your Best
Colors: Blue and Gold

Eathel Fay Sharp
President

Helen B. Kinnison
Vice-President

Uncle Ned
Secretary-Treasurer

DEAR BOYS AND GIRLS: Another contest has ended and the prizes have been awarded. Our "Read the Advertisements" contest that appeared in our last issue was not so difficult and the prizes were given to those whose correct answers were received first at my office so it was a case of getting a letter back to me as soon as possible.

William Barrett, R. 1, Box 33, Perrinton, was the lucky one and he can now tell you what time it is without asking anybody, because he won a watch. Second prize, a lovely dresser scarf, went to Verna Vincent, Mackinaw, City. A nice vanity set as third prize was mailed to Eugenia Podsiadlo, R. 1, Box 30, Armada. Fourth prize was a purse and Leona Brilinski, Atlanta, got that.

The correct answers are: 1, The Bayer Co., page 10; 2, Armour Fertilizer Works, page 7; 3, Pillsbury Flour Mills Co., page 40; 4, National Lumber Manufacturers Ass'n., page 29; 5, Chrysler, page 21; 6, Montgomery Ward and Co., page 9.

Now for a new contest. This being a special poultry issue perhaps it would be a good idea to have something on that subject. You agree with me? All right, we will make it an essay contest. The subject you are to write on is "My Favorite Breed of Chickens," and we will allow you to use 300 words to tell about your favorite breed and why you think it is best. The contest will end April 5th so you will have to work fast as any letters received after that date will not count. Again we will have "Mystery Prizes," four of them, all of them well worth winning.

Before I close my letter I want to tell you about the beautiful hand-made roses I received this week from our President, Eathel Fay Sharp. Eathel suggested they might look nice in my office but they are too beautiful to keep here where they might get soiled so I took them home and put them in my own den where I know they will not get soiled or destroyed. I wish all of you could see these roses. They look so real that you want to smell of them. It took her many hours to make them I am sure and I appreciate her doing this for me.—UNCLE NED.

Our Boys and Girls

Dear Uncle Ned:—My father received THE BUSINESS FARMER today and I read the stories on page sixteen and I thought perhaps I would try and write a story for The Children's Hour.

The Sheltered Children

One Sunday evening four children, Anna, Rowland, Erwin, and Mary were sleigh riding on the hill behind Ann's house. They lived with their father and mother in a brick house. They were not rich but they were not very poor. As they were all going down the hill, they saw two children walking along the road. Rowland went up to them and said, "Hello, where are you going?"

And they answered, "We are going to our grandmother's about six miles from here. May we come to your house and spend the night?"

"Yes, you may stay with us," replied Rowland. Then they took the two children in their house. Rowland said, "Mother, here are two children who want to spend the night here."

"Lead them to the fire and take their coats and caps in the bedroom."

So Rowland did as his mother had told him.

When it was time to go to bed they crept in the extra bed. When they awakened and were ready to start on their way, Erwin said, "Mother, may I take our horse and cutter and take them to their grandmother's?"

"Yes, you may."

So he took them home and their grand-

mother gave him a hot drink, then he started on his way home. He reached home safely and every time they went sleighriding they thought of the two children who spent the night at their home.—Anna Bush, age 12, Gladwin, Mich. —I'll bet you would like to have a story contest. How about it, Anna?

Dear Uncle Ned:—Not having written to you since 1926 I ought to be ashamed of myself, but you will excuse me won't you? We have had some terrible luck since I wrote you last. Our eleven room house burned to the ground, October 19, 1926. We saved just a few things.

I will be 17 years old May 20, 1928. When is your birthday, Uncle Ned? Or are you too old to have birthdays?

I am still writing to a cousin I began writing to in 1926. We met through the Children's Hour. She is Thelma Harter, Paris, Mich. Your old niece.—Blanche Adelaide McCance, Racine, Mich.

Riddles

As I was walking along the western bridge I met a western scholar. And drew off his hat and bid me good morning. What was his name? Andrew.

What can go all around the yard and leave only one track? A wheelbarrow.

If a man lived in a house and there were no holes, no cracks, no windows, no doors and no chimney how could he break out? He could break out with the measles.

What can go to the bottom of the water and not get wet? An egg yolk.

What grows in the winter but not in the summer? An icicle.

If there was a green house near a red house and fairies inside it what would it be? A watermelon.—Caroline Kolasinski, R. 1, Box 98, Petersburg, Mich.

What does man love more than life, hate more than death or mortal strife, that which contented men desire, the poor have and the rich require, the miser spends, the spendthrift saves, and all men carry to their graves? Nothing.—Eldon Hanson, R. 1, Box 83, Suttons Bay, Mich.

What has an eye and cannot see? Needle.

What has a tongue but cannot talk? A wagon.—(From someone who lives near Emmett and forgot to sign their name).

Tongue Twisters

High roller, low roller, rower.

A box of mixed biscuits, a mixed biscuit box.

Flesh of freshly fried flying fish.

You snuff shop snuff, I snuff box snuff.

The bleak breeze blighted the bright broom blossoms.

Some shun sunshine, do you shun sunshine?—Marjorie Hoepfner, Okemos, Mich.

If a plaid-clad caddy laddie's daddy had a fad for adding, and if the plaid-clad caddy laddie added daddy in his adding, would the plaid-clad laddie's daddy make the plaid-clad caddy laddie sadder?

Try saying "good blood and bad blood" rapidly.—Sophie M. Kompik, Pentwater, Mich.

A table of the fable of Abel who loved Mable in the sable stable under the cable where the sable stable had a label "Abel and Mable."—Eathel Fay Sharp, Akron, Mich.

A Game to Play

JAPANESE OR POISON TAG

PLAYED like ordinary tag, except that a player when caught or tagged must place one hand on that part of the body where tagged while "it" until another has been caught. Start with one "it." There is no "safe" in this game.



OUR VICE-PRESIDENT

Boys and girls, meet our new vice-president, Helen B. Kinnison, Star Route, Box 1, Kalkaska, Michigan. She says she truly hopes she can prove herself worthy of the position and I am sure she will. Helen looks like she was a true farmerette, who loves the great out-of-doors and isn't afraid of a few freckles.



From way out at Jay Em, Wyo., S. M. Foote writes:

"Experience is a dear teacher"

"I could have borrowed money at 10% interest and still be ahead if I had fenced when I started."
A \$250 team of mares and five horses frozen to death in a blizzard—his only cow gorged to death in a cane field—a valuable Holstein bull altered by ranchers—jennets bred to a neighbor's scrub stallion—two Holstein heifers strayed away—200 chickens killed by coyotes—10 acres of cane mowed clean by range cattle—these are a few of Mr. Foote's losses before he fenced.

RED BRAND FENCE

"Galvannealed" Copper Bearing
will not only save losses like this for you but make enough extra profit to pay for itself, over and over again, in the many years of service it will give.

RED BRAND can't help but last for many years. Copper in the steel keeps long life in; extra heavy "Galvannealed" coating of zinc keeps rust out; picket-like stay wires, wavy line wires, can't-slip knots, help keep it straight, trim, hog-tight and bull-proof.

What has been your experience with or without good fence? We will pay \$5 or more for each letter that we use. Write for details, catalog and 3 interesting booklets that tell how others have made more money with hog-tight fences.

KEYSTONE STEEL & WIRE CO.
4812 Industrial Street - Peoria, Illinois



Avicol For White Diarrhea

Death loss stopped in few hours, and sick chicks full of pep.

Simply drop an Avicol tablet in the drinking water, and watch the dying chicks revive and begin to thrive. Mrs. E. E. Franks, Rasmell, Tex., writes: "I was losing 10 to 15 chicks a day before the Avicol came. I haven't lost one since." Used in time, it prevents the whole trouble at trifling cost. A mild, safe intestinal antiseptic that controls all bowel diseases in chicks. Entirely different from anything you ever tried. Money back if not satisfied. Send 50c for liberal package (or \$1 for large economy size) to Burrell-Druggers Co., 925 Postal Station Bldg., Indianapolis, Ind.

ROSS BROODER HOUSE

PREVENTS LOSSES
Near round—no corners for crowding—rat and vermin proof. New exclusive idea in cross ventilation. Combination ventilator and fine glass windows. Diameter 12 feet. Capacity 500 chicks. Built sectional—easily enlarged. Buy Now—Pay Later—Write Today.
ROSS CUTLER & SLO CO., 313 Warden St., Springfield, Ohio. Makers Ross Metal Silos—Cutters—Cribs—Bins—Hog Houses—Mills—Garages.

BIG HUSKY CHICKS

The Chick Is No Better Than The Egg. Our hatching eggs are produced on our own farm from breeders bred for high egg production, having proper feed and care for the production of the strongest chicks.
OUR AIM IS QUALITY NOT QUANTITY
Michigan Accredited Leghorns exclusively. Place orders for April and May now. Write for prices.

Belverde Poultry Farm
Mt. Clemens, Michigan

HILLSIDE HATCHERY

CHICKS Genuine Tom Barren English White Leghorns, large type over-laying combs with egg laying qualities. Non Setters Barred Rocks from M. S. O. stock. 1928 flocks headed with cockerels whose dams have official trap nest records 243-233 M. S. C. Egg Laying Contest. Free circular explaining our 1928 Special, surprising you, low price.

HILLSIDE HATCHERY
R. 3 Holland, Mich.



BE SURE
To get our free Catalogue and prices on **DEAN QUALITY CHICKS**. White Leghorns, Barred and White Rocks, R. I. Reds, White Wyandottes. All Michigan Accredited. Some Certified. Established 1911—Better this year than ever. **Dean Egg Farm & Hatchery** Box 7, Birmingham, Mich.



Alert!

Conducted By
ROBERT J. McCOLGAN
Business Manager Protective Service Bureau

WATCH this column for the latest news in regard to the activities of those human parasites known as rural thieves. For nearly two years M. B. F. has been fighting these sneak thieves. We already have a record of genuine accomplishment but there is still much to do and we are determined to "carry on" until the final victory is won.

Robert J. McColgan
Elsewhere in this issue you will see an announcement of another fifty dollar (\$50) reward being paid. Deputies Ruppert and Smith of Perry, Shiawassee County, share this reward on a 50-50 basis. Congratulations boys, we are happy to pay you this reward.

High-brow college professors of psychology, have lately been telling—the world—that women have been of very little use in contributing to the world's progress. Too many text books and confinement to four college walls sometimes develops strange theories. A little visit into the high-ways and by-ways of life would do some of these "deep thinkers" a lot of good. For example they might meet Mrs. Wesley Taylor of Rodney. Here is a woman who does things! Last fall four men walked up in front of Mrs. Taylor's home, one of them entered her yard and deliberately shot some fine turkeys out of a tree. Mrs. Taylor, hearing the shots, gave chase to the men running them up the road across a field and on into the woods, where they were camping. She secured the license number of their cars, called the sheriff and got some neighbors to block the only road of escape until the sheriff's arrival. The men were taken to town and all given a heavy fine and sent on their way a little wiser for having met Mrs. Taylor. I wonder how the Ph. D. boys would classify Mrs. Taylor's bravery.

Over in Gratiot county, Sheriff Jay Smith has been doing some fine work in landing several thieves in the right coop. It looks as though some more reward money from M. B. F. was going to be paid in Gratiot county. One of our first rewards was paid in this county and we will gladly pay more.

County Detectives Geddes of Saginaw county has been paid one reward it now looks as though he was entitled to another. Mr. Geddes, being a farmer most of his life, has no sympathy for rural thieves and he is never satisfied until Mr. Thief is safely barred and bolted. We recently gave him some valuable information in regard to fighting rural thieves. Slowly but surely the crooks are passing along the "dope" to "lay off" Saginaw county, and to watch Geddes.

A man living in Jackson county who will soon be brought to trial for stealing sheep, seems confident of being saved from a "trip over the road." He says he has nothing to worry about if it wasn't for that "Damned Business Farmer." How the crooks in general do love us!

Have you joined the Minute Men? If not, get in at once. This movement will do more than any other organization can possibly do to drive the thieves out of the rural districts for it will eventually be 100,000 strong. But read about it elsewhere in this issue.

We would not think we could get along without the M. B. F. any more.—Mrs. Orson Hager, Barry County.

Keep Chicks Healthy!

A Life Saver for Chicks

MUCH of the chick troubles starts from a sour, germ-infested crop. Particularly, poisoning, digestive disorders and diarrhoeas result from contaminated food and drink, droppings, musty left-overs and the like, taken into the crop.

Germozone once a week in the drink keeps the crop pure and sweet—counteracting this chief source of danger to chicks. It is just as necessary and valuable for half-grown and mature fowls.

Backed by a reputation of more than thirty years' success, Germozone is the greatest aid to leading fanciers as well as hundreds of thousands of farm flock owners. Not only is it antiseptic and a powerful preventive, but also it is healing and most beneficial for colds, roup, canker and other similar ailments.

Don't confuse Germozone with potassium permanganate, which alone should never be given to chicks. Germozone contains five ingredients. Don't confuse Germozone with any of its many imitations. There is only one Germozone. Nothing else is just like it—nothing else is "just as good."

AT YOUR DEALER'S

Your dealer is particular what remedies he sells and recommends—your patronage means so much to him. Germozone is a remedy dealers like to sell, because it does just what is claimed for it. More than 10,000 drug stores, feed stores and chick hatcheries are agencies for Germozone. Get Germozone today. Ask for a copy of "The Lee Way" free book, which explains poultry diseases, diagnosing by post-mortem, treatment, care, etc. If no Lee agency in your town, write us.

GEO. H. LEE CO., 90 Lee Bldg., Omaha, Neb.
Manufacturers of the famous Flu-Koff Emulsion and Vapo-Spray, the GIZZARD CAPSULE, Lee's Lice Killer and other nationally known leaders.

Bargain Offer! POSTPAID

GENUINE WEATHERPROOF UNBREAKABLE FLEX-O-GLASS 29¢ Per Square Yard
3 - 4 AND 6 YARD CUTTINGS - 1 YARD WIDE - GUARANTEED



Extra eggs, or chicks saved by this scratch shed in a few days.
Ideal for enclosing porches, covered walks, etc.
Hotbeds that grow plants quicker and stronger to transplant.
Easily nailed up for Barn, Poultry House, Hog House or Garage Windows.
Here's your chance to buy genuine Flex-O-Glass, the best, strongest, most durable Ultra-Violet ray filter made, for half its regular price. Here's your chance to put Flex-O-Glass in your brooder house windows, on your hot bed, sash or to replace glass windows in your house, garage or barn—at a big saving. The Flex-O-Glass offered at 29c is fresh and new, fully guaranteed in every way. The only difference between this and the Flex-O-Glass sold at twice the price, is the length. Comes only in 3, 4 and 6-yard lengths which are the left overs from longer cuttings from our standard rolls.

Admits Healthful Ultra Violet Rays
Keeps baby chicks warm and healthy indoors. Prevents rickets (weak legs) diseases and deaths. Makes plants grow much stronger and faster when used in place of glass on hot beds. Approved by thousands of users and all leading authorities. Just cut with shears and nail on ordinary window frames.

FLEX-O-GLASS MFG. CO.,
1451 N. Cicero Ave., Dept. 415 Chicago, Ill.

BABY CHICKS at WHOLESALE PRICES

From 3 proven breeds. Bred 31 years for higher egg production. Direct from the farm to your door. From some of Michigan's best producing flocks. Why look for cheap break neck prices when you can get something better at a trifle higher price. From a **Reliable Breeder** of pure bred, large-bodied birds with big combs, free from disease, that lay large white eggs when prices are high. Prices for March, April, until May 16 deliveries:

	25	50	100	500	1000
Tom Barron Strain S. C. White Leghorns.....	\$3.75	\$7.50	\$14.00	\$67.50	\$135.00
Tom Barron (Hollywood Strain) S. C. White Leghorns.....	3.50	7.00	13.00	62.00	120.00
Reliable and Ream Strain S. C. White Leghorns.....	3.25	6.50	12.00	58.00	112.00
Shepherd Strain S. C. Anconas, Special Mating.....	3.50	7.00	13.00	62.00	120.00
Shepherd Strain S. C. Anconas, Utility Mating.....	3.25	6.50	12.00	58.00	112.00
Ross's Comb White Wyandottes, Evergreen Strain.....	4.75	9.00	17.00	80.00	
Broilers or Mixed Chicks.....	2.75	4.75	9.00	45.00	87.50

A special discount of 5% on all orders received 30 days or more in advance. 1 cent per chick with order; balance 10 days before chicks are to be shipped. 100% live delivery guaranteed. Postpaid. Write for our 1928 catalog, it's free and instructive. Reference Zeeland State Bank.

RELIABLE POULTRY FARM & HATCHERY R. 1, Box 41 ZEELAND, MICHIGAN

EXTRA SPECIAL—You may deduct \$1.00 for every 100 chicks when this advertisement is sent with your order.

BABY CHICK LIFE INSURANCE

Why not buy Baby Chicks that are insured to live for the first critical thirty days? Send for one of the most amazing propositions ever offered on quality Baby Chicks!

FREE BOOK
explains our insurance proposition on White and Brown Leghorns, Barred and White Rocks, Reds, White Wyandottes, Ducks, Geese and Turkeys. Get your copy of this book!

STATE FARMS ASSOCIATION
307 North Rose Street Kalamazoo, Michigan

BY ACTUAL TEST

Our Customers Find They're Best

Holland Hatchery Michigan Accredited Chicks are chicks that right in the hands of our customers prove their worth by actual test. W. H. Powley, Milford Mich., says:

"We frequently have expert poultrymen here and they rave over them saying they are the finest they have ever seen." On July 12, 1927, Mrs. Powley wrote and said: "From the 1109 Baby chicks we have 575 pullets—perfect beauties." "Our pullets of last year are still giving a 65% production."

"16 Consecutive Years—Never a Bum Lot."

This is what Fred S. Donald of Oxford, Michigan, wrote on May 19, 1927, in ordering more chicks. He said:

"This makes the 16th consecutive year I have ordered chicks from you and never received a bum lot."

We ask you frankly if satisfaction of this kind isn't worth while. You can have it with Holland Hatchery Chicks.

WE SHIP C. O. D.

You can get Holland Hatchery Chicks and pay for them when you get them. Just send \$1.00 down and we will ship balance C. O. D.

PRICE EFFECTIVE MAY 1st

	1000	500	100
Special Mated White Leghorn.....	\$110.00	\$57.50	\$12.00
English Type White Leghorn.....	90.00	47.50	10.00
S. C. Mottled Anconas.....	90.00	47.50	10.00
Barred Plymouth Rocks.....	120.00	65.00	14.00

Of course we guarantee 100% live delivery and will stand squarely behind every shipment. You will find the chicks pure bred and exactly as represented. Every chick is Michigan Accredited and comes to you under the label of the Michigan State Poultry Improvement Association. Buy Holland Hatchery Michigan Accredited Chicks this year. Our free catalog tells all about them.

HOLLAND HATCHERY & POULTRY FARMS
Van Appledorn Bros. R. 7-B Holland, Michigan



GROW LARGER LEGHORNS

Order Our Large Type English Strain

4500 Large, Selected, S. C. English White Leghorn Breeders, mated to 200-250 Egg Males now producing the biggest, healthiest chicks possible to hatch.

Success Depends Upon Your Choice of Egg Bred Stock

If you are now raising Leghorns, and are not satisfied with your flock, give our Large, English Strain Leghorns a trial. They have made money for us and for our customers. They will do the same for you. Birds from our Grade "A" Matings now making enviable records in egg laying contests. Let us tell you more about them before you buy any chicks.

Send for our 1928 Catalog. It will tell you all about this more profitable breed.

RIVERVIEW POULTRY FARM Zeeland, Mich.
(Geo. Gommers & Sons, Props.) Route 2, Box B,

BREEDERS' DIRECTORY

Ads under this heading 30c per agate line for 4 lines or more. \$1.00 per insertion for 3 lines or less. ::

CLAIM YOUR SALE DATE

To avoid conflicting dates we will without cost, list the date of any live stock sale in Michigan. If you are considering a sale advise us at once and we will claim the date for you. Address Live Stock Editor, M. B. F., M. Clemens.

April 3.—Jerseys.—Frank Spoor, New Baltimore, Mich.
April 18.—Holsteins.—Joseph H. Brewer, Grand Rapids, Mich.

CATTLE

GUERNSEYS

SPLENDID GUERNSEY BULL 10 MONTHS
Sire Westview Ultimas. Dam finishing 600 pound record. Other calves Langwater breeding. Priced reasonable.
W. T. HILL, East Tawas, Michigan

REG. GUERNSEY BULL 1 YEAR OLD. DAM
holds two R. O. P. Sire, son of Itchen King.
O. M. STARBUCK, R. 1, Corunna, Mich.

GUERNSEY DAIRY CALVES. BOTH SEXES,
practically pure bred. Shipped C. O. D.
LAKEWOOD FARMS, Whitewater, Wis.

GUERNSEYS. 4 BULLS, AGES RANGING
from 4 to 16 months. Priced cheap for quick sale.
R. G. PALMER, Belding, Mich.

HOLSTEINS

FOR SALE REGISTERED HOLSTEIN BULLS
of Echo Sylvia King Model.
GEORGE MCKAY, Horsey, Mich.

PRODUCTION SALE

45 Registered Holsteins

West Michigan Fair Grounds,
Grand Rapids, Michigan
APRIL 18th, 1:00 P. M.
Daylight Savings Time
All animals from the Herd of Blytheheld
Farms owned by Joseph H. Brewer.
Write for Catalog

SHORTHORNS

FOR SALE POLLED SHORTHORNS. BOTH SEX
of herd heading merit. We know that you will be pleased with what we have. Prices reasonable, and we stand squarely behind any guarantee we make. Herd headed by Royal Peer No. 21473 and Meadow Marshall No. 1551676.
BRANCH CO. FARM
Geo. E. Burdick, Mgr. Coldwater, Michigan

HORSES

FOR SALE—FINE REGISTERED SHIRE STALLION. Brown. Age five years. Price reasonable.
BERT GEORGE, Elsie, Michigan

SIXTH STATE SALE

DATE: Tuesday, May 22nd, 1928.

PLACE: Michigan State College, East Lansing, Mich.

WHAT: Cows—Bulls—Heifers—Calves. (Some of every class so you can find what you want.)
Consignments of good quality solicited.

Write at once what you have to offer.

MICHIGAN HOLSTEIN-FREISIAN ASSOCIATION

P. O. Box 1018 J. G. Hays, Secretary East Lansing, Mich.

DAIRY AND LIVESTOCK

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

SOME HEAVY LAMBS

DEAR EDITOR:—While reading the March 3rd issue of M. B. F. I noticed the article headed "Who knows of a heavier lamb?" telling about a lamb weighing 13 1/2 lbs. that was born on the Tohm farm in Midland county. Here is one for you. A buck lamb, born March 7th on my farm, weighed 19 lbs. at date of birth. How's that for a record?—John Cramers, Eaton County.

I note in M. B. F. of the buck lamb born on the Tohm farm that weighed 13 1/2 lbs. That was good but I had an ewe that gave birth to twin buck lambs last May that weighed 24 1/2 lbs. when born.—C. M. Clemens, Ogemaw County.

In reply to who knows of a heavier lamb, a buck lamb born on my farm, on March 7th weighed 15 1/2 lbs. on the day it was born. Can you beat that?—Fred Regis, Jr., Montcalm County.

There was born on my farm on March 6th a buck lamb that weighed fifteen pounds and today, the 12th, he weighs 19 pounds.—W. C. Clark, Saginaw County.

Let's hear from the rest of you folks who have some record breakers to report.—Editor.

SWINE GROWERS PRODUCED 752 TON-LITTERS IN 1927

THE 1927 hog-raising contest, in which swine growers in 29 States competed was won by Pennsylvania with 126 litters that reached a weight of a ton or more each in 180 days, according to Dr. C. D. Lowe, extension animal husbandman of the United States Department of Agriculture. Indiana and Tennessee tied for second place with 80 ton-litters each.

Wisconsin produced the heaviest litter reported, 12 pigs that weighed 3,598 pounds at six months of age. Pennsylvania is credited with the largest litter, one of 18 pigs. A total of 752 ton-litters were produced in the 29 States.

PIG CROP CONTEST

A PIG crop contest, a new form of competition for pork producers, which developed from the annual ton-litter, has been started by the animal husbandry department at the Michigan State College.

Each competitor in the pig crop contest must enter at least four sows, which will farrow within a 40-day period, and this period must be between Feb. 15 and May 15. The litters will be weighed 180 days from the average birth date of the com-

bined litters entered by a single competitor.

The champion commercial pork producer will be determined by the size of the herd, management methods and the average weight of the litters entered. Feed and management method reports will be required of each entrant.

Rules for the contest and entry blanks may be obtained from the animal husbandry department at the Michigan State College.

EXPECT GOOD PRICE FOR MICHIGAN BEEF

A CONTINUATION of relatively high prices for beef cattle throughout 1928 is expected by members of the economics department at Michigan State College.

A survey of the prices of beef in comparison with the prices of other commodities shows that in the past the prices of beef have moved in cycles and that those cycles average fifteen years of time between successive periods of high prices.

The last previous period of high prices reached its maximum in 1915.

Studies made by the United States department of agriculture show that the number of beef cattle on farms is exceptionally low at the present time.

This scarcity of cattle arouses brisk bidding by feeders for stocker cattle. The economics department at the College points out that even when prices are high it is possible for the feeder to lose money if he pays a speculative price for his feeder steers.

The increasing number of dairy cattle will permit the marketing of a growing number of unproductive cows, and these animals compete on the market with the lower grades of the market with the lower grades of is also a contributing factor in holding down the consumption of beef.

SEWELL LEADS IN MACOMB ASSOCIATION

H. J. SEWELL is credited with the leading herd production in the Macomb No. 1 Dairy Herd Improvement Association. This herd averaged 11,732 pounds milk and 490 pounds butterfat and was retested during the year.—A. C. B.

26 HERDS AVERAGED 9871 POUNDS MILK

THE best results ever realized in Livingston county dairy herd improvement association work occurred during 1927 when twenty-six herds averaged 9871 pounds of milk and 388 pounds butterfat. One herd of purebred Jerseys owned by Smith & Parker averaged 8508 pounds milk and 501 pounds butterfat for 18 cows. This was the highest producing herd in the association.

VETERINARY DEPARTMENT

Edited by DR. GEO. H. CONN

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

LUMPS ON THROAT

My eight year old mare has lumps the size of an apple on each side of her throat, just back of her jawbone. She appears well and has a good appetite, but always looks rough and does not put on flesh when not working.—A. J. M., Scottville, Michigan.

I WOULD paint these enlarged glands on the side of this mare's neck with tincture of iodine every other day. I would also give her a level teaspoonful of potassium iodide mixed with ground grain or dissolved in water and mixed with the grain, or placed in the drinking water. This mare should also have a tablespoonful of Fowler's solution of arsenic night and morning on the grain for thirty days.

REMOVE AFFECTED EWES

I have a few sheep in my flock that seem to be run down. They cough a good deal. Had one that was nearly dead, so I killed it and found that it had a very little blood and the lungs were full of little white

worms, about three inches long. Is there anything I can do for them? And is it catching from one to another?—A. Subscriber, Quincy, Mich.

REMOVE the affected ewes from the flock; the medicinal treatment is not so easy to apply and must be repeated several times in badly infested animals; it consists in injecting into the nostrils about three cubic centimeters, or about 45 drops of chloroform into the nostrils and then tipping the head back and holding the nose shut for a few seconds. A medicine dropper full of chloroform injected into each nostril every three to five days for two or more treatments might cure up some of the infested ones.

Dollars with me are like hen's teeth but I want to keep M. B. F. coming. Can't keep house without it.—R. J., Ingham County.

We have taken your paper for several years and just think we could not get along without it, and hope to take it as long as we live.—Chas. Barden, Genesee County.

Crop Reports

Genesee.—The spring spirit is in the air. Farmers preparing for beginning of seasonal work. Auction sales continuing in this part of country. Cattle still in demand. Sheep and poultry also continuing to sell high. Potato market stiffening and prospects for higher prices good. Eggs not bringing very high prices now. Quotations from Flint: Wheat, \$1.49; corn 95c; oats, 65c; rye, 98c; beans, \$8.10; potatoes, \$2.50; butter, 52c; eggs, 30c.—H. S., Mar. 19.

Kent.—After several days cold weather we are again having some spring-like days. Auctions well attended; tractors receiving some spirited bidding; horses also bringing good prices. Not much feed sold where auctions are held; believe it is scarce. The frost is still in ground. It has been out several times and several fear damage to crops if there is much more.—S. K. M., Mar. 20.

Midland.—Auction sales seem to be on increase and plenty of vacant farms. Good roads and high taxes driving us out in many cases. Automobiles taking their toll in farm and city property. This is how we are drifting along. Quotations from Midland: Wheat, \$1.49; corn, 90c; oats, 60c; rye, \$1.08; beans, \$7.90; potatoes, \$1.00; butter, 46c; eggs, 25c.—B. V. C., Mar. 18.

E. Huron.—The longest fall and winter season of good wheeling on record, but three days snow tie-up; milk truck missed but two trips. No crop news. Dairy feed advancing. Milk lower, 10c. Young horses finding market. Old horses neglected. Many auction; 12 billed up to May 30. Much moving. 25% of sales due to natural retirement, 25% to relocation and bulk of sales called at insistence of creditors for payment of deferred loans or better security which is not forthcoming otherwise. Quotations from Bad Axe: Beans, \$7.95; milk, \$1.90; eggs, 22c.—E. R., Mar. 19.

Saginaw (N. W.).—We are having cold nights and thawing days. Hard on wheat and seeding. Farmers busy hauling manure. Ground hard where it is tilled. Frost about all out. Not much grain going to market. Eggs and cream about all farmers have to sell. Some getting short on rough feed. Not much corn or oats for sale. Quotations from Hemlock: Wheat, \$1.48; corn, \$1.00; oats, 60c; rye, \$1.00; beans, \$8.25; potatoes, \$1.75; butter, 48c; eggs, 26c.—F. D., Mar. 19.

Alpena.—Roads all open here again, most places bare. Weather very good. Potatoes moving free here at one dollar per bushel. No market for hay. Oats very scarce. Quotations from Spratt: Wheat, \$1.22; oats, 58c; rye, 84c; beans, \$7.00; potatoes, \$1.00; butter, 45c; eggs, 30c.—F. H., Mar. 19.

W. Lenawee.—Farmers beginning to think of spring. Ground frozen yet but there is some activity on farms. Feed getting short and a number buying seed. Oats will be very high in price. Some oats will be sown in about 10 days if weather holds. Help more plentiful than common. Sheep shearing in order. Wool 40c per pound. Quotations from Cadmus: Wheat, \$1.52; oats, 60¢@62¢; butter, 49c; eggs, 25c.—C. B., Mar. 20.

Sanilac.—Quite a number of farms being exchanged for city property. About two years on the farm and city man is tired of his end of deal. Eggs increasing as hens get out of doors. Some feed moving as a few are short. All stock high in price except hogs. Two baby beef shipped brought \$264.00 here recently. Beet growers meeting well attended. Several large apiaries in this district, report bees coming through fine. A large buyer of milk has bought site for station at Decker. Early sown wheat coming through well. T. B. test finish. Quotations from Decker: Wheat, \$1.42; corn, \$1.20; oats, 60c; rye, \$1.10; beans, \$7.90; potatoes, \$1.10; butter, 55c; eggs, 26c.—A. C. McK., Mar. 20.

Oakland (N. W.).—No snow here now; just a flurry last night. We are trimming orchard and trimming out raspberries and burning rubbish in the garden that we did not get finished last fall. We intend to clean garden in the fall and burn everything up; it kills a lot of insects, but it did not burn good last fall; too wet. Quotations from Holly: Wheat, \$1.45; oats, 63c; rye, \$1.10; beans, \$7.70; butter, 40c; eggs, 26c.—J. DeC., Mar. 19.

St. Joseph.—Farmers anxiously waiting for warm weather to start plowing. Implements being lined up for another summer's work. Many busy hauling manure as weather has been ideal for that. Stock came through winter ordinarily well. Wheat shows effect of winter but many pieces will come out O. K., also clover.—A. J. Y., Mar. 20.

Emmett.—Winter has been ideal excepting three weeks last of February and first of March which was either very cold or very stormy. Past week has been cool nights and nice days. Snow leaving gradually. Farmers getting ready for spring. Hogs plenty and cheap. Beef high and scarce.—R. D., Mar. 21.

Mason.—Horses in demand. Ground still frozen too much for plowing. Quotations from Scottville: Wheat, \$1.40; oats, 60c; rye, 90c; beans, \$6.25 to \$8.00; potatoes, \$1.66; butter, 40c; eggs, 24c.—G. P. D., Mar. 22.



Order Direct From This Ad And Save Money

For a limited time only, we are offering this Big, Special Discount to Early Buyers.

Deduct FIVE PER CENT from these prices and order at once.

This Special Offer is one that hundreds of Town Line Customers will quickly act upon, and our shipping dates for April and May will be rapidly filled.

If you desire to learn all about our High Egg Bred Blood Lines, then send for our 1928 Catalog. Otherwise, order direct from this ad.

5% Special Discount Offer

By ordering direct from this ad you Save FIVE PER CENT. Order any number of chicks. Select Any delivery date, but GET YOUR ORDER IN TO US. You pay only ONE CENT PER CHICK now, and the balance when the chicks are delivered to you. Deduct FIVE PER CENT from these prices and order at once.

Own a Laying-Paying Flock Of Town Line Leghorns

Each year, hundreds of Farm Poultry Raisers, KNOWING the QUALITY of Town Line Baby Chicks, order their entire supply direct from Town Line Poultry Farm advertisements, for they have learned Town Line Chicks can be depended upon to produce the maximum of Poultry Profits.

You, too, can own a Laying-Paying Flock of Town Line Leghorns. Big, Healthy, LIVEABLE Chicks, of a quality that is capable of producing a splendid income for you, and have them delivered at your door, 100% Alive by following the example of these hundreds of other Farm Flock Owners. Don't fail to place your order today. We know—and guarantee—they'll please you.



TOWN LINE 12 CENTS and Up BABY CHICKS

MICHIGAN ACCREDITED

TOWN LINE Baby Chicks are from Big, Typy Birds of uniformly large size, and of unusual health and vigor. Bred for years for production of eggs in quantities throughout the cold winter months, the season of high egg prices, they have again and again demonstrated their ability to Lay and Pay, even under conditions of limited care.

Take Advantage of Our Special Discount Offer

Learn at first hand the higher egg production from chicks from birds raised by a genuine breeder.

Order Direct from Ad or Send for Catalog

If you prefer our catalog, send for it without delay. You'll find it chock full of interesting information, and valuable pointers on the care and feeding of baby chicks as well as growing stock and matured flocks. It's a guide to bigger, better profits.

Priced LOW To Save You Money

These prices represent a distinct saving to you. They're lowest NOW. An early choice reserves delivery on the better shipping dates.

PRICES FOR APRIL DELIVERY	50	100	500	1000
English Type S. C. White Leghorns	8.00	15.00	\$60.00	\$120.00
Utility Mating S. C. Brown Leghorns	8.00	15.00	70.00	135.00
Utility Mating S. C. Anconas	8.00	15.00	85.00	165.00
Hollywood or Tancored Mated S. C. White Leghorns	9.50	18.00	75.00	150.00
Town Line Special Star Mating or Pure Hollywood Leghorns	9.50	18.00	75.00	150.00
Special Star Mated S. C. Brown Leghorns or	9.50	18.00	75.00	150.00
Special Star Mated S. C. Anconas	9.50	18.00	75.00	150.00
Barred Plymouth Rocks	8.50	16.00	50.00	100.00
Mixed Chicks (Not Accredited)	5.00	10.00	50.00	100.00

Prices for May 22-28, 2c per chick less.

Prices for May 8-15, 1c per chick less than above prices.

TOWN LINE POULTRY FARM
ROUTE 1, BOX 308 ZEELAND, MICH.

TELL YOUR FRIENDS ABOUT MICHIGAN BUSINESS FARMER



Kill Rats—Without Poison

A New Exterminator that is Absolutely Safe to use Anywhere!

Will not injure human beings, livestock, dogs, cats, poultry, get is deadly to rats and mice every time.

Poisons are too dangerous

K-R-O does not contain arsenic, phosphorus, barium carbonate or any deadly poison. Made of powdered squill as recommended by the U. S. Dept. of Agriculture in their latest bulletin on "Rat Control."

"One of our good customers just told us he gathered 105 dead rats on his farm from using a 2-ounce package of K-R-O. We hear of many finding 30 or 40 rats after using K-R-O, which is highly successful and should please you." Wolgamot's Drug Store, Richwood, O.

75c at your druggist; large size (four times as much) \$2.00. Sent postpaid direct from us if dealer cannot supply you. **SOLD ON MONEY-BACK GUARANTEE.** The K-R-O Company, Springfield, Ohio.

K-R-O

KILLS-RATS-ONLY

HOLDEN

LIME AND FERTILIZER SPREADER

Guaranteed to Handle

wet, dry or lumpy lime and all fertilizers; spreads 75 to 10,000 pounds per acre evenly even on hilly ground. Patented *auger* force feed can not clog; no caking. Fits in place of end gate; changes in midfield from one wagon or truck to any other quickly, easily. Saves time, labor, money by handling fertilizer only once. Thousands in use. Guaranteed. Write for lowered price and FREE Soil Tester.

Spreads 20 Feet Wide

FREE SOIL TESTER

Tells instantly if your soil is sour, send by soil experts. Send your name and address for FREE Soil Tester, simple directions how to use. Get lowered price on the popular "HOLDEN." Certain to increase crops. Write now.

The Holden Co. Inc. Dept. 647 Peoria, Ill. Sold by John Deere Dealers



Buy 2 or 3 Week Old Chicks and SAVE LOSSES

Stronger Chicks — Quicker Results — Bigger Profits

You never saw more vigorous or stronger chicks. They get the right start. Taken from the incubators and placed immediately in storage brooders, right in the same building and in the same temperature; no set back; brooded under scientific methods; fed right; 24-hour-a-day attention.

Every chick comes from Michigan Accredited high production flocks. They grow rapidly into big egg and meat producers. Under our methods they are given the right start in life and when you get them they are past the great danger line.

We can furnish vigorous day old chicks or older ones of any age in the following breeds. Tell us the breed you like and the number you want and we'll give you our prices.

Buff Orpingtons Barred Rocks Rhode Island Reds
White Rocks White Leghorns White Wyandottes

Don't delay your reservations—1c per chick books your order. Write TODAY for catalog and special price list.

LAKEVIEW POULTRY FARM

M. J. KOLE, Prop.
Box 3 Holland, Michigan
Member International Baby Chick Association

A Solid Foundation for Success with Poultry



BABY CHICKS

8 WEEKS OLD PULLETS

MICHIGAN ACCREDITED CHICKS

BARGAIN PRICES for MAY DELIVERY

Write for Catalog

From large, heavy, carefully selected free range birds. Good winter layers.

	Per—	100	200	500
White Leghorns	\$8.50	\$16.50	\$40.00
Brown Leghorns	8.50	16.50	40.00
Barred Rocks	10.50	21.00	50.00
Assorted Heavy	9.00	18.00	
Assorted Heavy and Light	8.00		
Assorted Light	7.00	13.00	

For delivery before May first—chicks are \$2.00 per 100 higher than prices quoted above.

Order from this ad today. Save time and money. 100% live postpaid delivery. Write for pullet bargains. Write for free catalog.

KNOLL'S HATCHERY & POULTRY FARM

R. F. D. No. 12 Box B. F. Holland, Mich.

ROYAL EGG BRED LEGHORNS

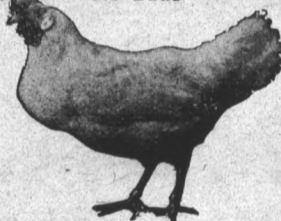
Royal Leghorns are known as the strain backed by contest winning bloodlines. Winners of the Michigan Contest in 1925. Record of 303 eggs in the American Contest in 1926 and already this year making excellent records at Bergen, N. J. and Quincy, Ill. You can rest assured that this strain is bred of high, production individuals.

75% of Our Business is From Old Customers

The strongest endorsement we have is from our old customers who have tried our chicks and know what they will do. Royal strain can be depended upon for a high average flock production. Our new catalog is free to you and will help you.

ROYAL HATCHERY & FARMS, S. P. Wiersma, Prop.
R. 2, Box B Zeeland, Michigan

CONTEST RECORD
303 EGGS



BOS QUALITY CLASS A CHICKS
From healthy heavy layers of large eggs. S. C. Eng. White Leghorns, Brown Leghorns, Anconas, R. I. Reds, and Assorted chicks at reasonable prices. No money down. Pay full amount 10 days before chicks are shipped or C. O. D. Special discounts. 100% live delivery postpaid. Catalog free. **BOS HATCHERY, Zeeland, Mich., R. 2 B.**

BABY CHICKS FOWLS EGGS
68 Breeds fine pure-bred chickens, ducks, geese, turkeys, fowls, eggs, chicks at low prices. 27 years with America's most profitable poultry, tested heavy egg producers. 10,000 prizes. Large catalog free. **A. A. ZIEMER, AUSTIN, MINN.**

PLEASE MENTION
THE BUSINESS FARMER
WHEN WRITING TO
ADVERTISERS

THE BUSINESS FARMER
"The Farm Paper of Service"
TELL YOUR FRIENDS ABOUT IT!



PUREBRED CHICKS
Michigan Accredited
Try some Silver Ward Select Chicks this year and see the difference. They are chicks that will develop into high record money makers. Of course, they are Michigan Accredited. Such strains as Barron and Tancred Leghorns, Shepards Anconas, etc., have been blended in their making.
GET THEM C. O. D.
You can now pay for your chicks when you get them. Absolute confidence in our chicks and faith in your honesty makes it possible for us to ship you your chicks C. O. D. Our free catalog tells all about the details. Get it today.
Silver Ward Hatchery, Box 30, Zeeland, Mich.

Care and Feeding of Baby Chicks

SUCCESS or failure in the poultry business often hinges upon our ability to raise good, vigorous chicks. Perfectly hatched chicks, plus perfect rations, will not assure success unless the temperature conditions are satisfactory for the comfort of the chicks. Chicks are hatched at a temperature of 103 degrees F., and, for the first four or five weeks especially, warmth is one of the most essential requirements. The brooder stove should be regulated for several days so that it will maintain a temperature of 90 or 95 degrees F. when the bulb of the thermometer is placed on the floor at the outer edge of the hover. Chicks will then settle down for the night, in that part of the environment which is most comfortable.

During the first few days the chicks should receive nothing to eat, as they contain within their bodies a supply of natural food, yolk of egg, which is sufficient to last them from 48 to 72 hours, after hatching, or until they have strength enough to run about in search of food. Since nature has so abundantly supplied he should receive no extra food until he should receive no extra food until all of this natural food, the yolk of the egg, is thoroughly absorbed. If the chicks are fed too soon, and the yolk is not properly assimilated, or if they are over-fed fermentation takes place, bacterial action is set up, and a great many of the chicks may die.

The only external indication of this condition is a more or less pronounced diarrhea of varying color, but usually grayish white. A post mortem examination will often show the yolk sac to be nearly its original size and filled with a watery yolk mass. In order to overcome this trouble, and reduce the death rate, during the first seven to ten days, of the chicks' life, one must study each lot and make such slight variations in the quantity of feed as may be necessary.

Feeding Ration

1st Day: After incubation, the chicks should be left in the incubator to "harden off." During warm weather the incubator door may be opened slightly to provide a good supply of fresh air, and to reduce the temperature within the machine.

2nd Day: Remove the chicks to the brooding quarters that have previously been heated. Clean white sand, covered with alfalfa or clover chaff makes an ideal floor covering the first two weeks. The chicks will pick at, and consume enough of these gritty soil particles which are essential in getting the digestive tract in good working order, ready for the first feed. Sour skimmed milk or buttermilk should be provided in shallow dishes. The acid of the milk has a beneficial effect on the digestive tract of the chick. The food value of the skimmed milk stimulates the chick, causing rapid growth and developing strong resistant powers. Sour skimmed milk should not be fed in galvanized dishes, because lead impurities found in this metal, may be released upon the addition of the sour milk. The lactic acid is likely to cause this chemical reaction, which can generally be noted by the changing color of the galvanized drinking fountain. Glass, earthenware, or wooden receptacles are ideal containers for sour milk.

3rd to 6th Day: The first food giv-

en should be easily seen and nutritious. A mash made as follows has proven very satisfactory in this state: Mash—bran, 50 lbs.; rolled oats, 50 lbs.; bone meal, 3 lbs.; ground limestone, 2 lbs.; fine charcoal, 2 lbs. Feed five times with feedings about two and a half hours apart, feeding each time what the chicks will readily clean up in fifteen minutes.

6th Day: Feed commercial chick feed, or a scratch feed made up as follows, twice: Scratch feed No. 1—Equal parts of fine cracked corn, cracked wheat and pin-head oats. Scratch feed No. 2—Equal parts of finely cracked corn and cracked wheat.

Feed mash mixture three times during the day.

7th to 14th Day: Two feeds of scratch, three feeds of mash and one of green food, sprouted oats preferred. During this period, gradually lengthen the time the mash is before the chick, so that you may have the flock eating mash from self feeders by the 14th day. Commercial buttermilk mashes can be substituted after the tenth day and fed continuously to the broiler age.

14th Day to Ten Weeks: Quickest gains can be secured by moist mash, feeding the following ingredients: bran, middlings, ground oats, and corn meal, in equal parts. This should be moistened with skimmed milk or tomato juice. If skimmed milk is not available ten per cent meat scrap or high grade tankage should be used in the mash to supply the animal protein. Coarser grains such as cracked corn and wheat can be substituted for the chick feed just as quickly as the chicks can handle it. If labor is scarce, the grain can be hopper fed after the chicks are six weeks old. Free range, with plenty of green food and shade produce the most economical growth.

Ten Weeks to Maturity: Segregate the broilers and hopper feed both the scratch feed and the dry mash.

Scratch feed: 50 per cent wheat, 50 per cent cracked corn.

Dry mash: 30 per cent bran, 20 per cent corn meal, 20 per cent middlings, 15 per cent ground oats, 10 per cent meat scrap, 5 per cent buttermilk (powdered).

Grit and skimmed milk should be available.—Prof. C. G. Card, M. S. C.

BUYING BABY CHICKS

ABOUT the quickest way to improve the quality of the flock is to buy baby chicks from special matings.

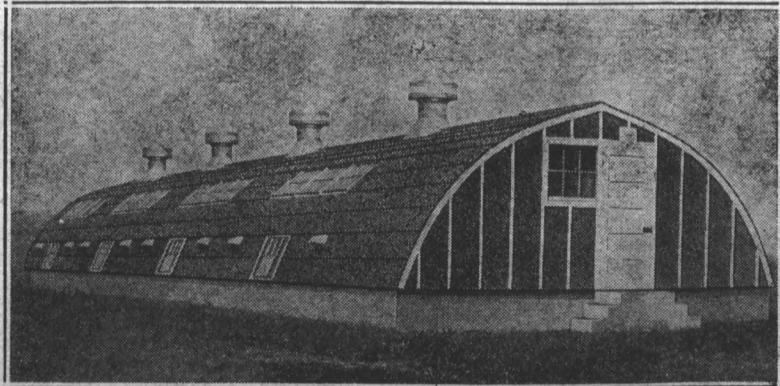
Buying baby chicks does away with the hazards of hatching and insures a certain number of chicks, all of the same age.

Order only one breed.

Buy as near home as possible, as this affords a better opportunity to learn the reliability of the hatchery, the stock from which the chicks are hatched, and to collect claims. There is also less danger to the chicks from exposure to heat and cold in shipment.

Investigate carefully the reliability of the hatchery. It is best to deal only with those advertising in reliable papers.

Put in your order early so that you can get chicks when you want them. In your order state time of delivery when you are sure that you can take care of them.



SOMETHING DIFFERENT IN A POULTRY HOUSE

When anyone mentions poultry house one usually thinks of the shed-roof type of building, but the engineers of the James Manufacturing Company have worked out something that is entirely different, and, they claim, more satisfactory. It is called the pointed arch poultry house and is the product of five years of research.

Now Order Your Rural Gold Seal Chicks At This Season's **LOWEST** Prices



The Story of Rural "Gold Seal" Chicks is Impressively Written in the Bank Books of Our Customers

Indisputable evidence of the Profit Making Qualities of Rural "Gold Seal" Chicks is to be found in the farm books of many Rural Customers. For them, the production of large sized, pure white eggs, in abundant quantities during the winter as well as summer months, has made the name of Rural "Gold Seal" Chicks synonymous with Poultry Profits.

READ THESE LETTERS OF PROOF

County Agent Says Best Per Cent Lay in the County

Coldwater, Mich.
Gentlemen:—This spring the extension department of Michigan State College constructed a Michigan Shed Type poultry demonstration house on our farm. The house when completed will be 18x60 feet. About a hundred poultrymen attended this meeting and because our flock has done so well and looked so nice about half of the people present asked what strain they were and where we got them. This was a good bit of advertising for you and the County Agent was able to tell them that we had the best per cent lay in the county so far this year. We are especially anxious to have the baby chicks do well. Mr. Davidson of the Poultry Department of the College said your chicks were O. K.

Sincerely yours,
J. R. Craun.

As High as 80% Lay

Fulton, Mich.
Dear Sir:—The chicks that we got last year are doing fine. We have 121 White Leghorn pullets and they have layed as high as 96 eggs in one day. I also have a man by the name of Harwood who was talking about buying chicks and I told him to get them of you people.

Yours truly,
Guy R. Shook.

260 Eggs Each

Albion, Mich.
Dear Sirs:—Please send me your catalog and price list of day old chicks. We purchased 200 of you two years ago. We were more than pleased with the results. Quite a number of the hens laid 260 eggs each or more.

Yours truly,
Mark H. Butler.

For Delivery On Any Date You Want Them

We Will Ship Any Week You Designate

Back of every worth while achievement in farm industries, stands an individual whose efforts have scored high in building farm profits to increased levels.

In the fore-front of Better Poultry Breeders, stands the Rural Poultry Farm, known to Commercial Poultry Raisers and Farm Flock Owners from the Atlantic Ocean to the Rockies, as the producers of dependable Baby Chicks, that LIVE—that GROW—that LAY and that PAY, through the production of Large, White, Marketable Eggs, in Quantities.

These Facts, Proven both in the flocks of our customers, and in our own, as well as by frequent Rural Winnings in Production Poultry Shows, point the way to you in the selection of your chicks.

Don't Take Chances

Don't take chances with unknown quality stock. Rural Chicks have proven their worth again and again for others. They'll do as well for you.

Farm Bred—Farm Raised

Not just ordinary cheap, competitive chicks, but chicks from strong, healthy parent stock, hatched in modern equipment, under the watchful eye of an experienced operator.

Raising Poultry with us is a year 'round business. We are not confined to the few short months of the hatching season. Rural Poultry Farm is rather a BREEDING INSTITUTION, devoted solely to the production of better chicks and stock.

These facts coupled with the ever increasing demand for Rural "Gold Seal" Chicks, and our increased capacity, enables us to deliver greater values and a stronger, sturdier, better grade of chick.

A New Development

Rural "Gold Seal" Stock is a new Rural development, brought about by scientific breeding. Hundreds of broad acres are devoted to producing the thousands of large, fertile eggs used in our own incubators in the hatching of chicks for Rural Customers.

From Cod-Liver-Oil Fed Stock

When you buy Rural "Gold Seal" Chicks you get strong, sturdy chicks with an abundance of vitality, able to grow to maturity in the shortest possible time. Free range, abundance of shade and sunshine, together with Cod-Liver-Oil and Mineral and Protein Feeding of Breeding Stock helps us produce these better chicks.

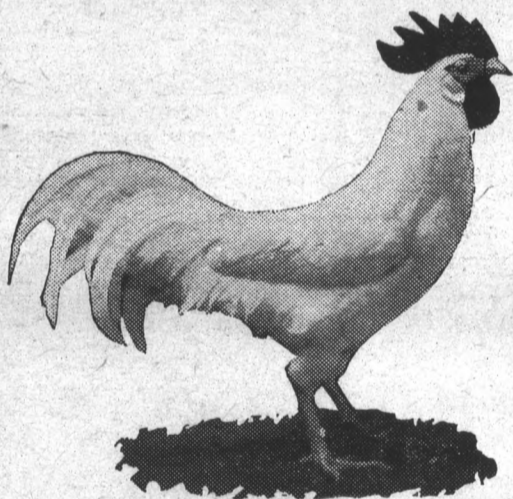
Michigan Accredited

Rural Stock, Chicks, and Hatching Eggs, are all Michigan Accredited. This means our flocks are under the supervision of an authorized inspector from the Mich. Poultry Improvement Assn. directed by the Michigan State College, and in whose unbiased, impartial opinion, Rural Breeding Stock conforms closely to the Standard of Perfection.



Every Bird Is Leg Banded

Every bird in our flocks has been individually handled and leg banded, and all inspected by the representative of the Michigan Poultry Improvement Association.



RURAL CHICKS

Breeding Stock

Hatching Eggs

PAY NOW ONLY ONE CENT PER CHICK DEPOSIT
Pay the Postman the Balance When he delivers your Chicks

BUY AT THESE LOW PRICES

Rural "Gold Seal" Commercial Grade Hollywood Foundation S. C. White Leghorns

LOTS OF 100

\$12.00

500

\$57.50

1,000

\$110.00

Assorted Chicks, in any quantity per 100.....

\$8.00

USE THIS COUPON

RURAL POULTRY FARM, Zeeland, Mich.

Date.....

Please enter our order for the following quantity of Rural "Gold Seal" Commercial Grade Hollywood Foundation S. C. White Leghorns at the prices above.

We want them about.....

We enclose \$.....

Name.....R. F. D. No.....

City.....State.....



Mrs. Wm. R. Miller, of Bath, N. Y., has had such gratifying results with Rural Stock that she not only sent us the above photos, but has told many friends about Rural Stock with the result that we have many orders for chicks from Bath and nearby points. Her strong belief in Rural Stock is paralleled by scores of other Rural customers in other sections.

EASY TERMS

Pay Only ONE CENT PER CHICK deposit. Pay the balance when the chicks arrive at your door. We know you will be pleased and we are willing to take all the risk.

FREE

With each order we will give FREE, a valuable Feeding Chart and Poultry Guide.

Also, our Personal Service, goes with each order. For our interest does not cease when we ship your chicks but continues throughout the life of your stock.



Mr. Andrew Severson of Eau Claire, Wis., sent us a couple of photos of his yards, houses and a part of his flock of 400 pullets which he kept. Mr. Severson raised about 95% of the 1,000 chicks he ordered from Rural. They began to lay in October and kept at it all winter, and at the end of ten months of steady production were still laying.

Our Ironclad GUARANTEE

We guarantee absolute satisfaction, or your money gladly refunded. This strong guarantee, plus 100% Live Delivery at your door, is possible only because of our years of careful selection and breeding, increased and maintained through thousands of dollars invested in our large, modern hatching and breeding establishment, all of which is back of every chick we produce.

Who Are These Investors?

There are more than 420,000 stockholders of the Bell System, of which this Company is an integral part.

They come from every rank and file in every state—nearly every town and city, and from the countryside. Mechanics, merchants, farmers, teachers, bankers and horticulturalists—it is a genuine democracy.

The average holding is only 26 shares of stock. No one person owns as much as 1 per cent of the total stock.

Truly it can be said that the Associated Bell companies are owned by the people they serve.



**MICHIGAN BELL
TELEPHONE CO.**

VETERINARY QUESTIONS—Yes, we answer these also. Our Dr. Geo. H. Conn will give you good advice, we know.
The Business Farmer, Mt. Clemens, Mich.

Safeguard Your Poultry Profits—

All Michigan Accredited
500 S. C. White Leghorn Trapped On Our Own Farm
Finest Egg Strains Largest Type Barred Rocks



Years of Breeding for Higher Egg Production has placed Michigan Poultry Farm Stock on a high standard of quality.

It has been quickly proven this year among the 500 White Leghorns we are trapping on our own farm, a large part of the entire flock averaging 24 to 30 eggs monthly during the winter months. This breeding quality spells poultry profits for you.

Order SAFELY, and CONFIDENTLY, direct from this ad. We GUARANTEE 100% Live Delivery of your Chicks, and to have them please you. Our Sheppard's Anconas and Holterman's Strain Barred Rocks are also of very best quality.

If you desire our 1928 Catalog before you buy, send for it quickly. Orders are rapidly filling up our shipping dates for April and May deliveries. Better check below the chicks you want and send us your order NOW.

With MICHIGAN Hatchery Chicks

PAY ONLY \$1.00 DOWN—BALANCE C. O. D.

Order Direct At These Prices	50	100	500	1000
Trapped Pure Hanson Strain				
S. C. White Leghorns	\$8.00	\$15.00	\$72.50	
Barron and Tanager Foundation				
S. C. White Leghorns	6.50	12.00	57.50	\$110.00
Sheppard's Strain Anconas	6.50	12.00	57.50	110.00
Barred Plymouth Rocks	7.50	14.00	67.50	130.00
Broilers, Mixed	4.50	8.25	40.00	75.00
Seconds, (No Cripples)	4.00	7.00	35.00	70.00

Michigan Hatchery & Poultry Farm, Box 1, Zeeland, Michigan

PREDICTS 1928 WILL BE A GOOD POULTRY YEAR

(Continued from Page 3)

speaker stated that "the dairy and poultry income of the Ohio farms had during the past few years kept the Ohio farmer on his feet." The same condition is true of many Michigan farms, thus farmers are coming more and more to recognize the keeping of poultry as a business. With this recognition, the industry is placed on a more sound basis and is assured of a bright future.

Grow Stronger as Year Advances

In conclusion I would prophecy that 1928 would be a good poultry year. In general growing stronger toward the close of the year, thus starting 1929 off with a flying start. Hatcheries for 1928 will have a prosperous season. Their chick sales however will be distributed differently than in the past, thus indicating new fields to many of the hatcherymen. The industry is becoming more stabilized and the future looks promising. Many people worry about over production of poultry and eggs, but present indications do not warrant the loss of much sleep because of the fear of over production.

Buy good chicks, grow them well, house the layers in the proper manner, fed good rations and study the chickens in a business like way thus assuring yourself of a good farm profit.

DO YOU STAND READY TO PROTECT FARM FAMILIES?

(Continued from Page 3)

mobiles, trucks, tractors and farm machinery stolen from the farm.

Still, we knew there was something lacking in the whole scheme which state officials, farm organizations and the press of the State were commending us for pioneering. Doubtless the rewards are an incentive to trace down criminals and there is more activity on the part of the officers of the law and others—BUT ALL OF THESE MEASURES CONTEMPLATED ONLY, LOCKING THE DOOR AFTER THE HORSE WAS STOLEN!

WE WANT TO STOP THE ROBBERY BEFORE IT IS CONTEMPLATED!

The organization of the active, able-bodied farmers of Michigan into "Minute Men," alert to respond to the call of their neighbors, will, we sincerely believe, have the desired effect on the type of moron-mind which betrays its cowardliness in the robbing of a poor widow's chickens or the stealing of grain or live-stock from an isolated, defenceless old farmer!

THE BUSINESS FARMER served notice several years ago that with us it was a fight to the finish and with the hundred thousand men (we hope some day to see wearing the proud emblem of the Minute Man) standing back of us, the battle is more than half won, for God is ever on the side of the right!

How to Organize Your Community

We will send application blanks to any subscriber of THE BUSINESS FARMER. Get a few of your neighbors, who you know take this paper, together, and propose organizing your neighborhood. Talk to your sheriff, ask him how many Minute Men in your township he is willing to deputize. Send in the names of all of your signers and we will send proper cards and emblems, all without cost.

TOO DANGEROUS

"Why didn't you dance last night?"
"I had on a rented tuxedo."
"Well, what of that?"
"The rent was where it would show."

DOG COULD NOT READ

Mike: "I lost my dog, Pat. What am I going to do?"
Pat: "Why don't you advertise for him?"
Mike: "Sure, my dog can't read advertisements."

A MATTER OF BAIT

A very young parson, accompanied by two pretty girls, was walking on the bank of a river. He paused to speak to a man who was fishing.

"Have you caught anything?"
"No," was the answer, "they won't rise to this fly. Are you an angler, sir?"
"I am a 'fisher of men,'" said the parson proudly.

The angler looked shrewdly at the party standing beside him, and observed, "You've got the right bait."—Norwest Farmer.



Free

Growing chicks need Butter-milk. Write for 40-page poultry manual with more than 70 pictures, will help you make more money on your poultry. Written by experts. It is a gold mine of valuable information. Tells about feeding, breeding, mating, culling and shows the hen machinery that makes the egg. We will send this Poultry Manual FREE, postpaid, as soon as you send your name and address. Tell us who your feed dealer is. Address: **COLLIS PRODUCTS CO.** Dept. 14 Clinton, Iowa

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Ruptured people are amazed at the miraculous results of a simple Home System for rupture that is being sent free to all who write for it. This remarkable invention is one of the greatest blessings ever offered ruptured persons, and is being pronounced the most successful self-treatment ever discovered. It brings instant relief and does away with wearing trusses forever.

Thousands who formerly suffered the tortures of steel trusses are now rejoicing in this freedom from the danger and discomfort of rupture. There is nothing like it anywhere and hosts of ruptured persons are astounded at the ease with which their ruptures are healed.

Free trial treatment of this Muscle Strengthening Preparation are being mailed to all who write. It is an original painless Method. No operation, no danger, no risk, no absence from work or play. Send no money; simply write Capt. W. A. Collings, Inc., 133M Collings Bldg., Watertown, N. Y., for free home treatment with full information and it will be mailed you in sealed package.

Send now—today. It may save wearing a torturing truss for life.—(Adv.)

Let's Hear From You

We want you to write us your criticisms and suggestions about M. B. F. to help us make it better in every way. It is your farm paper and the editors are your hired men.

The Business Farmer, Mt. Clemens, Mich.

FREE TO ASTHMA SUFFERERS

Free Trial of a Method That Anyone Can Use Without Discomfort or Loss of Time

We have a method for the control of Asthma, and we want you to try it at our expense. No matter whether your case is of long standing or recent development, whether it is present as occasional or chronic Asthma, you should send for a free trial of our method. No matter in what climate you live, no matter what your age or occupation, if you are troubled with Asthma, our method should relieve you promptly.

We especially want to send it to those apparently hopeless cases, where all forms of inhalers, douches, opium preparations, fumes, "patent smokes," etc., have failed. We want to show everyone at our expense, that our method is designed to end all difficult breathing, all wheezing, and all those terrible paroxysms.

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FRONTIER ASTHMA CO.,
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Send free trial of your method to:

White Diarrhea

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

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

"Dear Sir: I see reports of so many losing their little chicks with White Diarrhea, so I thought I would tell my experience. I used to lose a great many from this cause, tried many remedies and was about discouraged. As a last resort I sent to the Walker Remedy Co., Dept. 537, Waterloo, Iowa, for their Walko White Diarrhea Remedy. I used two 50c packages, raised 300 White Wyandottes and never lost one or had one sick after giving the medicine and my chickens are larger and healthier than ever before. I have found this company thoroughly reliable and always get the remedy by return mail."—Mrs. C. M. Bradshaw, Beaconsfield, Iowa.

Cause of White Diarrhea

White Diarrhea is caused by microscopic organisms which multiply with great rapidity in the intestines of diseased birds and enormous numbers are discharged with the droppings. Readers are warned to beware of White Diarrhea. Don't wait until it kills half your chicks. Take the "stitch in time that saves nine." Remember, there is scarcely a hatch without some infected chicks. Don't let these few infect your entire flock. Prevent it. Give Walko in all drinking water for the first two weeks and you won't lose one chick where you lost hundreds before. These letters prove it:

Never Lost a Single Chick

Mrs. L. L. Tam, Burnetts Creek, Ind., writes: "I have lost my share of chicks from White Diarrhea. Finally I sent for two packages of Walko. I raised over 500 chicks and I never lost a single chick from White Diarrhea. Walko not only prevents White Diarrhea, but it gives the chicks strength and vigor; they develop quicker and feather earlier."

Never Lost One After First Dose

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

You Run No Risk

We will send Walko White Diarrhea Remedy entirely at our risk—postage prepaid—so you can see for yourself what a wonder-working remedy it is for White Diarrhea in baby chicks. So you can prove—as thousands have proven—that it will stop your losses and double, treble, even quadruple your profits. Send 50c for package of Walko (or \$1.00 for extra large box)—give it in all drinking water and watch results. You'll find you won't lose one chick where you lost dozens before. It's a positive fact. You run no risk. We guarantee to refund your money promptly if you don't find it the greatest little chick saver you ever used. The Pioneer National Bank, the oldest and strongest bank in Waterloo, Iowa, stands back of our guarantee.

WALKER REMEDY CO., Dept. 537, Waterloo, Iowa.
Send me the () 50c regular size (or () \$1 economical large size) package of Walko White Diarrhea Remedy to try at your risk. Send it on your positive guarantee to promptly refund my money if not satisfied in every way. I am enclosing 50c (or \$1.00). (P. O. money order, check or currency acceptable.)

Name.....

Town.....

State..... R. F. D.....

Mark (X) in square indicating size package wanted. Large package contains about two and one-third times as much as small.

BROODING CHICKS

Run the brooder for several days before the chicks are placed in it. This will make it possible to get the machine in proper adjustment before the chicks are placed in the hover, and thereby help to avoid dangerous changes in temperature. To much heat or too little heat is one of the leading causes of digestive disorders of chicks.

Have plenty of room for the chicks. If your flock is too crowded nature will reduce the number. It is just as important for the chicks to have plenty of room in the hover and in the brooder house as for the laying hens to have plenty of room in the laying house. Manufacturers' directions specify the number of chicks that the brooder will accommodate. Do not go over the number; preferably put in much less, especially for the first trial.

The brooder room itself should allow one-third to one-half square foot per chick. If built too small, however, it is sure to get overheated by a coal burner, and it will be of little value as a roosting place for the pullets later. About 12x14 feet is a good size.

Confine the chicks close to the brooder stove for a few days by means of wire screen to teach them where to find the heat, before giving them the run of the brooder house.

A sun bath may be provided by laying a four-sided frame like that of a hotbed or coldframe along the outside of the poultryhouse on the sunny side and covering it with glass substitute, which admits the sunlight without stopping the ultra-violet rays—the part of the light which promotes growth and health. The chicks are admitted to this sun bath by means of a trap door from the poultryhouse.

Keep chicks of different sizes and ages under different hovers in different runs.—The Farmer.

WHEN AND HOW TO START CULLING YOUNG CHICKENS

When the young chickens first start to feather out across their backs is the best time to start culling them. Have two different colored leg-bands. Put one color on all those you intend to keep and the other colors on the culls, or those you will sell for broilers.

All the chickens which feather out first across the back, providing they have legs which are flat on the sides, and sharp in the back, deep flat sides, broad backs, small bright-looking heads, eyes which stick out like shoe buttons, deep abdomen, and wide between the pelvic bones.

Those which feather out slowly across the back, have round legs, and a round body, narrow back, large dull-looking heads, sunken eyes, shallow abdomen, and narrow pelvic bones, put in with the culls and sell them as soon as possible.

If the chickens are culled according to the preceding directions they will begin to lay while young and prove a profitable flock to keep, providing they are fed and cared for in the right manner.—Lavinia Hemminger.

FEATHER EATING

Can you tell me the cause of feather eating and comb bleeding among poultry? Also, do you know of a remedy for same? What causes paralysis? Can you tell me what to do for this?—Mrs. F. E., Hillman, Michigan.

FEATHER eating is usually caused by too much crowding of the birds; may also be caused by not giving them any meat scraps in their ration. Bleeding of combs usually due to their being frosted. Paralysis is most often caused by improper feeding; by adding cod liver oil to the ration, they usually come all right in a short time; add two lbs. to each 100 lbs. of mash.—G. C. Card, Prof. of Poultry Husbandry, M. S. C.

I certainly enjoy M. B. F., the best farm paper I ever took. It's pages are clean and instructive.—A. H. Bolles, Allegan County.

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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SUPERIOR Leghorns

here are Big Values

Superior Commercial Baby Chick Prices

March and April Delivery
Per 100 Per 200 Per 500 Per 1000
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In Egg Production

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Michigan Accredited Flocks headed with Pedigreed males, have paved the way to bigger poultry profits, for hundreds of our customers. R. O. P. advanced official records 269, 201 eggs and 24 ounces to the dozen.

Record of performance work assures the customers of reliable honest records and pedigrees, and old time breeders will for their own protection have their flocks entered in Record of Performance work.

FARSIGHTED POULTRY MEN ARE DEMANDING FAIRVIEW CHICKS. S. C. WHITE LEGHORNS—ORIGINATED FROM TOM BARRON. BARRED ROCKS AND RHODE ISLAND REDS.

Fairview catalog tells the story. Send today for copy of this big new book free. Tells how to raise poultry for profit and gives approved methods by which our breeding produces high quality chicks from rich blood lines.

SPECIAL DISCOUNTS—Hatches twice a week, 24 hour service. One dollar down books order and Balance C. O. D. We guarantee 100% alive arrival and satisfaction. Fairview Hatchery & Farms, Box B, Zeeland, Mich.

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BIG, STURDY, FLUFFY chicks from free range, pure bred flocks that have been culled and selected for egg production and standard qualities. Just what you want for foundation stock or to improve your laying pens. 100% live delivery guaranteed. Send this adv. with order and get 4 FREE chicks with every hundred.

WE GUARANTEE THESE CHICKS TO SATISFY YOU!

Barred, White, Buff Rocks, Single and Rose Comb R. I. Reds, Black Minorcas, 13 1/2 c. White Brown, Buff, Leghorns, Anconas, Heavy Broilers, 11 1/2 c. White and Silver Laced Wyandottes, Buff Orpingtons, White Minorcas, Buff Wyandottes, 15c. Light Brahmans, White Orpingtons, Blue Andalusians, 18 1/2 c. Light Mixed, 8 1/2 c. Grade AA Chicks 5c per Chick extra. If less than 100 are ordered, add 50c extra. Send for our FREE circular of

CHICKS FROM R. O. P. MALE MATINGS

LAWRENCE HATCHERY Tel. 72525 GRAND RAPIDS, MICH.

WINNERS FROM THE START

BABY CHICKS FROM SELECTED EGGS

Selected for Size—not less than 22 ounces to the dozen. For Color—graded carefully according to the U. S. HENRY WHITE Standard. These are Chalk White Eggs of fine texture and uniform shells, producing uniformly large, vigorous, healthy chicks. It is from S. C. White Leghorn eggs like these that we produced the stock that won SEVEN SILVER CUPS for us in the Utility and Production Classes in the Zeeland and Holland Poultry Shows, December, 1927.

You can profit greater with chicks from such eggs with a pre-determined tendency to produce more eggs of this nature, by reason of the increasing demand for more and better, large, white eggs.

SEND FOR OUR BIG 1928 CATALOG

Let us tell you more about this stock before you buy any chicks. You'll find it interesting and instructive, a real poultry guide to Bigger Poultry Profits.

Vitality Leghorn Farm, Route 1, Box B, Zeeland, Michigan

DILIGENT CHICKS DID IT

And will do it for you

Your DILIGENT CHICKS became DILIGENT LAYERS and beat them all in our neighborhood, enter order for 500 March delivery, a customer just wrote us. Do not hesitate to send your order. You will be satisfied. Thirteen years of honest dealing behind us. Pullet after May first.

Please note our NEW LOW postpaid prices:

	50	100	200	500
Single Comb White Leghorns	\$5.75	\$11.00	\$21.50	\$52.50
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Mixed (Heavy Only)	6.25	12.00	23.50	57.50

DILIGENT HATCHERY & POULTRY FARM, Harm J. Knoll, R. R. No. 4, Holland, Michigan

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Foreman's Official Champion Layers are again setting the pace for Michigan Breeders in many State Laying Contests. Twelve important contest winnings in 1927 by Foreman bred and selected stock. Breeder of Champion Layers and Contest Winners since 1918.

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FOREMAN POULTRY FARM, Box 323-D, LOWELL, MICHIGAN
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WE STATE it as our honest belief that the tobaccos used in Chesterfield cigarettes are of finer quality and hence of better taste than in any other cigarette at the price.

LIGGETT & MYERS TOBACCO CO.

A FLOCK OF LEGHORNS THAT WENT TO SCHOOL

(Continued from page 4)

the idea Oas originally had of making his classes of greater value by letting his students study things at first hand?

The answer is simple. Instead of one laboratory, largely theoretical, as is often the case in high schools, the Paw Paw school has several, and they are of high practical value.

South of the school across the road is the model poultry house with its flock of busy biddies. Could any farm boy or girl (and there are many girls in Mr. Oas' classes) find greater inspiration to achieve better things with poultry than here? In the basement of the school building is a modern electric incubator built in three units, each having a capacity of one thousand eggs. Smaller incubators operated by kerosene are also to be found here. Both types are used during the hatching season and the students observe and assist in their operation. Oat sprouters, feed hoppers, water fountains, brooder houses and stoves, and other poultry necessities are to be found in their proper places and students become familiar with the uses of each through actual observation and experience.

All Problems Studied

Problems in the raising of poultry from incubation to maturity are studied at first hand by the classes. Usually, too, there are boys or girls especially interested in poultry who for the sake of experience devote additional time to the old flock, the incubators, or the young chicks. At the present time there are two boys who have relieved Mr. Oas of much of the responsibility of the feeding, trap-nesting, and general care of the flock. These boys have shown themselves to be thoroughly reliable and are paid for their time even as they are gaining in experience.

If education means preparing for life, it would seem that Mr. Oas has solved the problem for the farm boy and girl of his community far better than most educators. The success he has attained through the principles he teaches has bred a confidence in his teaching among the students of his classes that has spread until his opinion is valued throughout the entire community.

This ends for the time being the story of Oas and his idea. Three years ago probably not even Oas himself would have predicted the success he and his idea have attained.

CHATTING WITH THE AGRICULTURAL TEACHER

(Continued from Page 13)

worker. Every county should have one. The U. S. Government pays for their salary in part, therefore you are paying for the services of a county agent whether you have one or not. One of my visitors gave as his reason for not being in favor of a county agent, and I have heard this same reason many times, that he didn't like the idea of a white-collared guy coming around and telling him how to farm. Well we all have a right to our opinions as this is a free country, but I am here to tell you that whenever a farmer or any one else thinks he is so good that no one can tell him anything about his business, then I don't believe there is any help for him; he is hopeless. I spent four years in college; every summer I am in summer school, every evening for several hours I toil over my books and magazines, and the more I study the more I realize how little I know. I am mighty glad anytime to have anyone help me in my work or offer suggestions, and I'm not particular whether he has a white collar or what kind of clothes he wears. Let us be reasonable and open minded, brother farmers. The county agent is a trained scientific man who aids you in the oldest, largest, and most vital industry in the world today, the scientific industry of agriculture or farming. He knows his business; we need him, and the county who doesn't have one is going to be a back number in the future just the same as the factory will be a back number without an efficiency expert.

HE KNEW

Sunday School Teacher: "Where do little boys go who fish on Sunday?"
Johnny: "Over to the deep hole on Perkin's farm."—Churchman.

READ THIS AD If you are interested in a large type Leghorn—one that has the extra size and correct body type to give you production during our severely cold Michigan winters. We specialize in but one breed—**TOM BARRON Strain S. C. White Leghorns** and furnish Chicks, Pullets and Stock at Live and Let Live Prices. Beautifully illustrated Catalog FREE.
HILLVIEW POULTRY FARM, Zeeland, Michigan. Box 50



BY THIS TRADE MARK

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BABY CHICKS**
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WILL GUARANTEED TELL MICHIGAN ACCREDITED

FOR WINTER EGG PRODUCERS

Get our Large Leghorns, the birds with large combs that produce the Large, Chalk White Eggs

Send for Our 1928 Catalog

Tells all about our chicks and breeding stock. Egg Bred Since 1910. For 18 years we have specialized in the production of S. C. White Leghorns, and breed no other variety. All our time, thought, and energy in selecting and mating has been devoted to our Leghorns. You are assured of very desirable stock. We can deliver chicks to most points in from eight to ten hours.

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100% LIVE ARRIVAL GUARANTEED

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FOR RENT—200 A. FARM, 65 A. SEEDED
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WANTED: A MIDDLE AGED MAN TO WORK
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INSURE YOUR SUCCESS—BUY ASELTINE
quality Barred Rocks or White Leghorns. Pedigreed males from dams laying over 200 eggs head our flocks. Blood tested five consecutive years. Trapping 400 birds under Record of Performance supervision. Reasonable prices for this quality. Write for circular or visit our farm. Aseltine Poultry Farm, Comstock Park, Mich.

CHICKS! LOOK! READ! SINGLE COMB WHITE
and Brown Leghorns and Anconas, 100-\$11.00; 500-\$50.00. Barred Rocks 100-\$13.00; 500-\$60.00. Mixed Chicks for Broilers \$7.00 per 100. Shipped Postpaid. 100% Live Delivery Guaranteed. Prompt deliveries. Order direct from this advertisement. Black River Poultry Farm, Zeeland, Michigan.

BABY CHICKS FROM KILLBOURN'S CERTIFIED
S. C. White Leghorns. 1st pen 1926-1927 New York state egg laying contest, for weight of eggs. Over 700 birds entered in this year's R. O. P. work. Also Michigan Accredited Buff and Brown S. C. Leghorns. All stock Blood Tested. Killbourn Poultry Farm, Flint, Mich.

CHICKS. WE HAVE HAD EIGHTEEN YEARS
experience in hatching chicks of standard varieties. We personally inspect and cull our flocks which are good producers, healthy and pure-bred. Write for prices. Special discount on five hundred and one thousand lots. Shepard Poultry Farm & Hatchery, Litchfield, Mich.

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Strength, vitality, and heavy-laying. Safe delivery guaranteed. Single Comb White and Brown Leghorns, Single and Rose Comb Reds, Barred Rocks, Queen Hatchery, Zeeland, Michigan. Heavy and light mixed chicks 8c and up.

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Using many R. O. P. males from 215 to 316 egg breeding. Just what you want for large profits or to improve your flock. FREE catalog gives big discounts. Grand Rapids, Michigan.

BABY CHICKS—MICHIGAN ACCREDITED
Barred Rocks, R. I. Reds, White Leghorns, shipped C. O. D. Immediate delivery of pure bred chicks from healthy laying foundations. Big free catalog gives new prices. Brummer-Fredrickson Poultry Farm, Box 30, Holland, Mich.

MICHIGAN ACCREDITED BARRED PLY-
mouth Rock chicks. We believe we have the greatest combination of color and egg production in Michigan. Member of Michigan R. O. P. Assn. Catalog Free. Bay View Poultry Farm. East Tawas, Mich., Box D 341.

BABY CHICKS AND TEN WEEKS OLD PUL-
lets. Hollywood Tanore and R. O. P. British Columbia White Leghorns, bred from 201 egg average. Flock mated with 232 to 337 Males. Cash or terms. Oakview Poultry Farm, Box 290, Muskegon, Michigan.

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lected pure bred-to-lay and exhibition flocks of healthy carefully culled breeders. Reasonable prices. Folder free. White Leghorns, Barred Rocks, White Wyandottes. Sunnybrook Poultry Farm, Hillsdale, Mich.

MYERS PURE BRED CHICKS 100% LIVE
delivery. Postage prepaid, four leading breeds, White Leghorns, White Wyandottes, Barred Rocks, R. I. Reds. Flocks bred for egg production, send for circular. Myers Hatchery, Mt. Pleasant, Mich.

QUALITY BABY CHICKS FROM STRONG VIG-
orous purebred stock. Have all been closely culled for egg production. Guaranteed one hundred percent live delivery. Write for prices. Address St. Johns and Elsie Hatchery, St. Johns, Mich.

COFFMAN'S BARRED ROCKS. BREEDING
pens headed with males having nineteen years actual trap nests records back of them, 258-310 eggs per year. Cockerels, Eggs and Chicks for sale. Warren Coffman, Benton Harbor, Mich., R. 1.

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A. R. O. P. Trapped. Grade B, Michigan Certified. Michigan's Greatest Color and Egg Strain. Chicks and Eggs. Catalog Free. Interlakes Farm, Box 2, Lawrence, Mich.

TANCRED OR HOLLYWOOD LEGHORN
chicks with contest winning Blood lines. Barred Rocks and S. C. R. I. Reds selected high egg producers and Blood Tested. Michigan Accredited. Caro Hatchery, Caro, Michigan.

BARRED ROCK CHICKS OF THE BETTER
grade our specialty; Michigan Accredited. Strong and husky; Bred-To-Lay strains. Reasonably priced. Order now, insuring April delivery. Howe's Accredited Hatchery, Essexville, Mich.

BETTER BABY CHICKS FROM STATE FAIR
winners production class. Eighty per cent of our chicks go to old customers. Eleven breeds. Booking orders. Living prices. Write. Litchfield Hatchery, Litchfield, Mich.

S. C. W. ENGLISH LEGHORN CHICKS, APRIL
delivery \$10.00 per 100. Discount on orders of 500 and more. Satisfaction and live delivery guaranteed. Henry Waterway, Holland, Mich., R. 6.

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Algonac, Mich. White Leghorns and Barred Rocks baby chicks for sale of stock that is bred for production, all breeders being trap-nested. Send for catalogue and prices.

BABY CHICKS. SEND FOR OUR CATALOGUE
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horns, overlaying combs and non-setters. Barred Rocks, 203-233 records. See display adv. Hillside Hatchery, Holland, Mich.

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S. C. White Leghorns. 500 birds in R. O. P. work. Entire flock blood-tested. Brookside Poultry Farm, Holloway, Mich.

JERSEY BLACK GIANT COCKERELS OF THE
famous Diamond Marcy Strain, \$10.00 each. Mrs. W. B. Wagner, Deckerville, Mich.

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SELECT S. C. ANCONAS HATCHING EGGS.
Having won ribbons in several Michigan Shows. Without question the best small flock in the state. The kind that win and lay. \$2.50 per 15 eggs. Postpaid. Bert Eagon, Oxford St., Alma, Mich.

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eggs. \$1.25 per 15 or \$5.00 per 100. Mrs. Tracy Rush, Alma, Mich., R. 3.

TURKEY EGGS—FROM OUR FAMOUS PURE
bred Mammoth Bronze, Bourbon Red, Narragansett and White Holland flocks. Write, Walter Bros., Powhatan Point, Ohio.

BUFF WYANDOTTE EGGS. GOOD LAYING
strain. J. G. Lang, Inkster, R. 1, Box 5, Mich.

IMPERIAL WHITE PEKIN DUCK EGGS, \$1.50
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WHITE HOLLAND TURKEYS WILL PAY
your taxes in December and interest on the mortgage in February. A trio of White Hollands pay more profit than any two cows. Easier to raise than chickens, twice the profit. Get yours now. Cash in next fall. Also Pekin Ducks. Stamped addressed envelope for prompt reply. Alden Whitcomb, Byron Center, Mich.

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PURE-BRED BOURBON RED TURKEYS AND
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white, pink, yellow, purple. Named Varieties, our selection assorted, for one dollar, prepaid anywhere in United States. Northern Michigan grown. Full of pep, producing wonderful flowers. Catalogue of one hundred varieties sent with order. Cottrells Dahlia Gardens, Route 5, Traverse City, Mich.

DAHLIAS—PARTHAS WARM RED VICTORIA
pure Yellow Queen, Lavender Rose Oban, Red and White, Midnight Black, Red Delica, White-shading Pink. 2 each of above collection, \$1.00 prepaid. Mrs. Benj. Peters, Saginaw, Mich., Gratiot Rd., R. 2.

12 ASSORTED DAHLIAS 75c. ASSORTED
Gladiolas 25 large 50c, 25 blooming size 25c. Tiger lilies each 15c. Postpaid. John Nelson, R. 1, Cadillac, Mich.

DAHLIAS, 300 CHOICE NAMED. PRICE LIST
free. Glenn Dahlia Garden, Mariette, Mich.

SEEDS

FOR SALE, EARLY COBBLER SEED POTATOES.
Field run, \$2.00 per bu. F. O. B. Lapeer. Sacks Free. Frank Shoults, Lapeer, Mich., R. 4.

CERTIFIED WOLVERINE OATS. BRIGHT
heavy yielding. Prompt shipment. Free samples. Davenport Terry & Son, Chesaning, Mich.

REGISTERED AND CERTIFIED SEED CORN
Clement's white cap yellow dent, Pickett's yellow dent and Michigan yellow dent (a very early dent). Certified Worthy oats and sweet clover. Why take a chance on common seed when our scientific method of drying and preparing our corn insures germination and vigor. Write for circular and sample. Paul C. Clement, Britton, Michigan. Member of the Crop Improvement Association, Dept. H.

CERTIFIED IMPROVED ROBUST SEED BEANS
Choice in every respect. One to nine bushels, seven dollars bu. ten or over six seventy-five. Bags free and freight prepaid Michigan on orders received before May. Acceptance of your check insures delivery by May 15th. No checks cashed before May. A. B. Cook, Owosso, Mich.

GOLDEN GLOW SEED CORN THAT WILL
please you. Grown from registered seed, field selected before cut, raked, artificial and air dried, shelled, graded, germ 98. Price \$5.00 bushel, two or more \$4.75 bushel. Remember we sell what we grow, guaranteed as represented. Ralph G. Collin, Mt. Pleasant, Mich., R. 8.

REGISTERED AND CERTIFIED M. A. C. YEL-
low dent seed corn. Germination 98%. Registered \$7.00 bushel. Certified \$6.00 bushel. Secured from Michigan State Farm Bureau, Lansing, Mich., or from grower, George H. Rae, Bay City, Mich., R. 4.

FOR SALE—REGISTERED AND CERTIFIED
Golden Glow Seed Corn. Germination 97%. Inspected by Michigan Crop Improvement Association, Mich. Write for circular. P. A. Smith, Mulliken, Mich.

NEW YORK GROWN SEED—WELLS' LIGHT
red kidney beans, disease-resistant, productive strain. Two years' successful demonstration in Michigan. Official References. Write for sample and prices. E. F. Humphrey, Ira, N. Y.

SCIENCE AND PRACTICE DEMONSTRATE IM-
proved American Banner wheat. Wolverine oats. Improved Robust beans best for Michigan. A. B. Cook, Owosso, Mich.

CERTIFIED WOLVERINE OATS WON PRE-
mium at International Grain Show and Farmers Week Show. J. W. Kennedy & Sons, Orleans, Mich.

SEED CORN, CLEMENTS WHITE CAP, MICH-
igan Yellow Dent, \$4.00, satisfaction guaranteed. Write John Mitchell, Holloway, Mich.

CERTIFIED SEED CORN, CLEMENT'S WHITE
Cap Yellow Dent grown in Livingston county. James-Cattell, Gregory, Mich.

FOR SALE—CERTIFIED ROBUST SEED
beans. N. A. Gifford, R. D. No. 3, Flint, Mich.

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ASPARAGUS ROOTS. PEDIGREED WASHING-
ton 100 one year 75c. 1000—\$5.00. Two year 100—\$1.00, 1000—\$8.00. Three year 100—\$1.50, 1000—\$12.00. Washington rust resistant is the favorite. Palmetto—the old stand by—100 one year 60c., 1000 \$4.00. Two year 100—75c. 1000—\$6.00. Three year 100—\$1.00, 1000 \$9.00. Best largest roots ever produced. Special low 5000 offer. Order now. Prestage Nurseries, Allegan, Michigan.

SHRUBS—ALL TWO YEARS. EXTRAORDINARY
offers—12 Spirea Van Houttei: \$1.00. 12 Dwarf Japanese Barberry \$1.00. Five Spirea Anthony Waterer \$1.00. Five Hydrangea \$1.00. Six Hardy mixed Chrysanthemums \$1.00. Five mixed Peonies \$1.00—two color—bargains. July, August blooms—4 pink, 5 white, 4 lavender. 2 red all 15 Spireas \$1.50. One of each color 50c. Get acquainted—List free. Write. Prestage Nurseries, Allegan, Michigan.

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\$1.00—two Juniper, 2 Arbor-Vita, 2 Spruce. All 6 to 12 inches. Hardy, grow anywhere, any year. Seven either kind \$1.00. Best bargain of the year. Other kinds all sizes. Sure to live. Shipped right. Get acquainted—List free. Prestage Nurseries, Allegan, Michigan.

THE BEST IN CERTIFIED RASPBERRIES.
Blackberries, Strawberries, Gooseberries, Grapes, Cherries, Apples, Asparagus, Rhubarb, Ornamentals. What varieties do you want? How many? Get our prices. Harris Cross Nurseries, Bangor, Mich.

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bring big money. Better than life insurance. Use this ad. to bring our instructive and educational catalog to you immediately. John W. Hershey, Nut Tree Nurseries, Downingtown, Pa.

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Amount of payment enclosed..... Date..... 192.....

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5	6	7	8
9	10	11	12
13	14	15	16

Fill out and mail this order, with remittance, to

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STRAWBERRY PLANTS—TWENTY-FIVE VA-
rieties. Finest plants grown. We prove it. Mastodon Big new Everbearing—100 for \$2.50. Champion Everbearing Best flavored strawberry in all the world—100 for \$1.50. 100 Premier (June) for \$1.00—1000 for \$6.00. 100 Warfield and 100 Dunlop for \$1.00. 1000 \$4.00. Order now. Complete Nursery list—everything to plant free. Prestage Nursery, Allegan, Michigan.

STRAWBERRY PLANTS—DUNLOP 1000—
\$3.50; Big Jim Premier Cooper 100—\$5.00; 500—\$2.75. Cumberland Raspberry 1000—\$14.00. Fred Stanley, Bangor, Mich.

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Mastodons, \$2.00; Raspberries, Blackberries, Grapes. Wholesale price list. Cloverleaf Nursery, Three Oaks, Mich.

100 MASTODON EVERBEARING \$1.75.
World's Largest Strawberries—Last Chance. Order Today. Edwin Libke, New Buffalo, Mich.

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MY FROST PROOF CABBAGE PLANTS WILL
make headed cabbage three weeks before your home-grown plants. I make prompt shipments all leading varieties. Post paid 500, \$1.50; 1,000 \$2.75. Express \$2.00, 1000. Special prices on large quantities. Tomato and pepper plants same price. First class plants, roots wrapped in moss. F. D. Fulwood, Tifton, Ga.

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field, Copenhagen, Flat Dutch. Lending varieties of Tomato, Onion, Beet, Lettuce, Potato Plants. Prices: 100, 50c; 500, \$1.50; 1000, \$2.75. Express Collect: 1000, \$2.00; 5000, \$8.75; 10,000, \$15.00. Satisfaction Guaranteed. Piedmont Plant Company, Greenville, S. C.

SEND NO MONEY. C. O. D. FROST PROOF
Cabbage and Onion Plants. All varieties. Prompt shipment. 500, 65c; 1,000, \$1.00. Standard Plant Co., Tifton, Ga.

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Plants. Quick shipments. All varieties, 500, 65c; 1,000, \$1.00. Farmers Plant Co., Tifton, Ga.

LIVESTOCK

FOR SALE—REGISTERED GUERNSEYS, FE-
males with A. R. Records, Bull Calves bred by Fashion of Oak's Farm, a son of Florham Leader, a \$25,000 Bull. These bull calves are backed by butter fat records up to 1112 lbs. yearly, good show type. Prices to sell. Hugh Scott, Northport, Michigan.

HEREFORD STEERS FOR SALE. 2 CARS
average 525 lbs. 109 average 620 lbs. 80 average 760 lbs. 2 cars tested heifers. Know of others. John Carrow, Ottumwa, Iowa.

GUERNSEY OR HOLSTEIN HEIFER CALVES.
tuberculin tested, shipped C. O. D. Lakewood Farm, Whitewater, Wis.

PURE BRED JERSEY BULL CALF. PARENTS
of high producing strains. Everett Spencer, Yale, Mich., R. 5.

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GUARANTEED HOMESPUN TOBACCO—CHEW-
ing 5 pounds, \$1.25; 10-22. Smoking 10-15.00. Pipe free! Pay postman. United Farmers, Bardwell, Kentucky.

HOMESPUN TOBACCO—RIPE, GUARANTEED;
chewing, 5 lbs. \$1.50; 10, \$2.50; 20, \$4.50. Smoking, 5 lbs. \$1.25; 10, \$2.00; 20, \$3.50. Farmers Union, Mayfield, Ky.

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FOR SALE CHEAP, AMERICAN RIDING CULT-
ivator, one 50 spike tooth harrow, Paris Green duster, walking cultivator, set double harness, set horse cover, Edmond Poupard, 1011 Yorkshire, Grosse Pointe, Mich.

FOR SALE FORDSON TRACTOR, ALSO TEAM,
weight about 3500. Oscar Larsen, Ellsworth, Mich.

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MAKE BIG PROFITS WITH CHINCHILLA
Rabbits. Real money makers. Write for facts. 884 Conrad's Ranch, Denver, Colorado.

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Buy a German Police puppy. H. S. Peter, Burt, Mich.

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Reasonable. Claude Greenwood, St. Johns, Mich.

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BUY DIRECT FROM MANUFACTURERS. ONE
barrel dishes. Not less than 100 pieces. Contains not less than 12 cups, saucers, all sizes plates, oatmeal, sauce dishes, platter, sugar cream, etc., \$5.50. Factory imperfections. Same on decorated, \$9.00. Barrels unlimited. If freight is over \$1.00, we pay the difference. Shipped free from our warehouses, Boston or New York. United China, Inc., Dept. 440, Boston, Mass.

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Mr. Farmer, why worry? You can make \$30 to \$150 weekly distributing Whitmer Products to your friends. Experience unnecessary. We teach you how free. Earn while learning. Team and wagon or car needed. Write T-O-D-A-Y for farmers' "Every-Day-Pay-Day-Plan." The H. C. Whitmer Company, Farm Dept. 6A, Columbus, Indiana.

300 FULL SIZE, UNRULED LETTER HEADS
and 300 good white envelopes all navy printed with name, address and business. Two Dollars, postpaid. Suitable for Farmer, Business Man and all others. Money back if wanted. Shipping tags, Statements, Cards, etc., equally low prices. The Braytons, Freeport, Mich.

FARMERS WOOL MADE INTO BLANKETS.
batting and yarn at fair prices. Send for circulars. Monticello Woolen Mills, (Estab. 1866), Monticello, Wis.

WE START YOU WITHOUT A DOLLAR. SOAPS:
Extracts, Perfumes, Toilet Goods. Experience unnecessary. Carnation Co., 530, St. Louis, Mo.

EARN \$5 A DAY GATHERING EVERGREENS,
roots, herbs. Booklet free. Botanical 67, New Haven, Conn.

SIMPLEX BROODER STOVE USED ONE
spring \$25.00. Edwin Travis, Armada, Mich.



MARKET FLASHES



Grain Continues To Be Feature Of Market

Believe High Prices Led To Overstock Of Feeders

By Market News Service, Bureau of Agricultural Economics, U. S. D. A.

(Special to THE BUSINESS FARMER)

THE great staple crops, grain and cotton, are still the market leaders with \$1 corn and 19c spot cotton the outcome. Hay and hogs gained a little but not much is generally expected of them owing to the large supply which seems available most of the time. Dairy and poultry products have kept a brisk, fairly steady with good demand at prices mostly a little higher than last season. Stored vegetables in mid-March stopped going up and slid back a little.

Wheat

The market for practically all grains has continued an upward trend since the middle of the month. The prospect that the world's requirements of bread grains will after all not much more than equal the surplus in the principal exporting countries helps to strengthen sentiment. The domestic wheat markets continued firm with good demand for practically all classes of wheat. More favorable prospects for the winter crop reduced slightly the premiums which this class of wheat has commanded during recent weeks.

Corn and Rye

Some falling off in receipts of corn together with continued active demand since mid-March advanced prices of this grain to the highest point of the season. Export buying helped to raise No. 3 Yellow above \$1 in the West. Rye also reached new high levels and oats gained nearly 1c. The barley market strengthened along with other feed grains and likewise met good export demand. There is some prospect that the active market season for barley will lead to an increase in acreage this season, possibly over 28 per cent in the north central states and 16 per cent in the western states.

Feeds

Continued scarcity of bran and middlings for immediate shipment brought further advances in the feed market in mid-March with gains in price of cottonseed and linseed meals. The high prices seems to have lessened domestic and foreign demand for cottonseed. A good demand continued for alfalfa meal at unchanged prices. Feeds of all kinds for future delivery were in less demand and considerably lower than feeds to be delivered on the spot.

Hay

Hay markets continued practically steady. Colder weather since the middle of the month stimulated demand. Offerings of good quality hay moved readily at most leading markets. Scarcity of top grade hay resulted in rather more active demand for medium grades and even the low grades were unusually firm in price. Hay prices during the past month have shown the first upward tendency of this season. Alfalfa has gained about \$1.50 in the past month.

Hogs

Advances in hog values early in the week were followed by declines but the market has tended to recover since mid-March. Closing top at Chicago March 17 was \$8.65. In trade opinion, any lasting price improvement cannot be expected until receipts show considerable reduction and when the supply of hogs available becomes more moderate. Storage reports indicate an accumulation of nearly one-quarter of a billion pounds of pork products, not including lard, during February, the holdings exceeding even those of 1924 or 1925.

Cattle

The decline of \$1-\$2 in the beef cattle market compared with preceding high points seems to have resulted mainly from a turning of demand from beef to low-priced pork. Many in the beef cattle trade believe that the drop in price induced finishers to hold back the heavy feed-

ers bought since the first of the year. Even a slight expansion in the demand from shippers would stimulate prices of heavy steers. Quite young stock suitable for grazing seems in demand and thin steers appeared scarce. Although country movement of stockers and feeders has recently been spoken of as light, shipments from 12 large markets to country points since the first of the year seem to about equal those of a year ago. Some dealers believe that high prices in January and February led to a slight overstocking in stockers and feeders.

Sheep

Markets on fat lambs and sheep continue well sustained, with occasional gains. The fact that future supplies are mostly in one area in the far west and with new crop lambs from California and the Southeast not available until the fed lamb

banks were \$1.90-\$2. The Chicago carlot market fluctuated rapidly on Idaho arrivals, rebounding to \$2.75-\$2.85 after a previous decline to \$2.50. Northern Round Whites averaged about \$2.20 in Chicago showing a decline of 5 to 10c since mid-March. New potatoes have been in light supply without much recent change in price.

Eggs

Egg markets have held persistently at prices a little higher than those prevailing a year ago. The flocks seem to be in full swing of production but market supplies are not excessive and the cold storage people seem disposed to take the surplus at these prices. The outlook depends considerably on whether the production continues as moderate as it begins.

Poultry

Dressed poultry markets share to some extent the strength of the egg markets and some other lines of provisions. Stocks of poultry in storage are decidedly lower than at this time in 1927. Fresh receipts are rather large but not especially so. Live poultry is not much of a feature at this time of year although sup-

pearance and beans are the highest they have been this season. Both grocers and canners seem to be wanting them. The Michigan Elevator Exchange states that the world situation on white beans is in a very strong position and if canners are forced into the market on any large scale we may see 10c or 11c beans before another crop comes to market. Apparently growers are expecting prices to remain good for the next year or so as it is reported that the 1928 acreage will be about 15 per cent above that planted last year.

Light red kidneys are quoted at \$7.75 and dark reds at \$9.25.

DETROIT LIVE POULTRY

(Commission merchants' gross returns per pound to farmers, from which prices 5 per cent commission and transportation charges are deductible.)

Demand fairly good; broilers, 1½ to 2 lbs., rocks, 52c; reds and others, 45@50c; springs, 3 to 4 lbs., 32c; 4½ to 5½ lbs., 30c; coarse and staggy, 25c; leghorns, 24c. Hens: Medium and pullets, colored, 29c; 5½ lbs. and up, 27@28c; leghorns and Anconas, 25c. Cocks, 18c. Ducks: White, 4½ lbs. and up 33c; colored, 30c; small, 25c. Geese, 21c.

DETROIT BUTTER AND EGGS

Butter firm; creamery in tubs, 88 to 90 score, 46@49c. Eggs firm; fresh firsts, 28@28½c.

DETROIT SEEDS

Clover seed, cash, imported, old, \$14.50; March, \$15.50; domestic cash, \$17; March, \$17; October, \$16. Alsike, cash, \$15; March, \$15. Timothy, cash, \$1.95. March, \$1.95.

LIVESTOCK MARKETS

DETROIT, March 27.—Cattle—Receipts 192; market active and steady. Fair to good choice yearlings, \$10@12.50; fair to good heavy steers, \$10.25@12.25; handy weight butcher steers, \$10.50@11.75; mixed steers and heifers, \$9.50@10.25; light butchers, \$8@9.75; common butcher cows, \$6.50@7.25; best cows, \$8@9; good butcher cows, \$7@8.25; cutters, \$5.50@6; canners, \$4.50@5.50; light butcher bulls, \$8.50@9.75; bologna bulls, \$7.50@8; stock bulls, \$7@8; feeders, \$9@10.25; stockers, \$7@10; milkers and springers, \$7.50@11.50.

Veal Calves—Receipts 500; market 50c higher. Best, \$17@17.50; others, \$8@16.50.

Sheep and Lambs—Receipts 396; market steady. Best lambs, \$16.75@17; fair lambs, \$12.75@14.75; light to common lambs, \$10@12; fair to good sheep, \$7@9.50; culls and common, \$3@5.75.

Hogs—Receipts 1,500; market steady; mixed hogs, \$8.75; roughs, \$7.

CHICAGO—Hogs: Market very uneven; early trading mostly strong to 10c higher; few light lights showing more advance; spots on pigs, 25c higher; late trading very dull; big killers buying heavy; butchers and plain medium weight, around steady with their buy of Thursday; top \$8.60, paid for choice 180 to 210-lb. averages, to shippers, \$8.25@8.55; few 230 to 260-lb. kinds early at \$8@8.35; bulk late sales finished 260 to 350-lb. butchers, \$7.70@7.90; plainer light and medium weight mostly around \$8; packing sows mostly \$6.90@7.25; bulk pigs, \$6.75@7.25; shippers took 16,000; holdovers, 9,000. Cattle: Killing classes steady to strong, fairly active; no choice steers here; best, \$14.25; bulk, \$10.75@12.50; not many killers under \$11.25; best yearlings, \$13.25; good demand for lower grade cows; kinds selling at \$9 downward with cutters at \$5.50@6.50 mostly; undertone in general trade better; closing prices highest of week; dull dressed beef outlet still a very bearish factor; arguing against any expansion in receipts; most sausage bulls, \$7.50@8.10; heavy kinds, \$8.10@8.25; vealers, \$11.50@12.50; few, \$13 for light kinds; small killers, \$13.50@14.50. Sheep: Heavy and plain lambs closing draggy; spots off more; early trade on better grade 90-lbs. down, steady to strong; quality considered; top, \$17.60 for choice medium weights to shippers; next highest price, \$17.35; bulk, 90-lbs. down, \$17@17.25; good 93 to 89-lb. offerings late at \$16.10@16.50; extreme weights throwouts, \$15.50@16.50; good clipped lambs, \$14@14.25; sheep steady; few ewes, \$9.50@9.75; few good feeding and shearing lambs unchanged, \$15.50@16.

EAST BUFFALO: Cattle, steady. Hogs: Market higher; mediums and mixed, \$9@9.15; heavies, \$8.50@8.90; yorkers, \$9@9.15; pigs and lights, \$7.75@8.50. Sheep: Strong; top lambs, \$17.50; yearlings, \$14@15; wethers, \$12@13; ewes, \$9@10; Calves, \$17.

MARKET REPORTS BY RADIO DAILY

THE Michigan Business Farmer was first to broadcast farm market reports in Michigan (January 4, 1926). Market reports and farm news are now available as follows: WGHP (277.6 meters), 6:05 to 7:00 P. M.; WKAR (277.6), 12:00 M.; WWJ (352.7), 5:45 P. M.; WCX-WJR (440.9), 4:15 P. M.—Editor.

supply is about done, suggests to some dealers that fat lambs are not selling too high despite low prices of pork.

Wool

Trading in wool in astern markets has continued slow both on fleece and territory grease wools, but dealers handling foreign wools reported a fair volume of business on about the same grades as covered by domestic medium and low grades. Prices continued at about the same levels and foreign markets are reported tending upward.

Potatoes

The range of country potato prices in the north central region reached top about the middle of March and since then went slightly lower at \$2-\$2.25 per 100 pounds. Colorado shipping points held mostly firm. Southern Idaho quotations on Russet Bur-

phies are ample and prices holding fairly well.

Butter

The production of fresh butter is not increasing very fast this season. Pasturage is backward in some parts of the South and feeds are rather high in northern dairy sections. The butter output is perhaps five per cent greater than in March, 1927, but this year there is no imported butter to upset the market and only slight declines have occurred this month. Cheese also has sold at unchanged prices the past week or two. There is good demand for cured stock still although many buyers are turning to the fresh make which is being turned out in increasing quantities in western producing sections.

BEANS

Within the last few days the market has taken on a very strong ap-

THE BUSINESS FARMER'S MARKET SUMMARY

and Comparison with Markets Two Weeks Ago and One Year Ago

	Detroit March 27	Chicago March 27	Detroit March 13	Detroit 1 yr. ago
WHEAT—				
No. 2 Red	\$1.66		\$1.61	\$1.30
No. 2 White	1.65		1.60	1.31
No. 2 Mixed	1.65		1.60	1.29
CORN—				
No. 2 Yellow	1.08		1.04	.76
No. 3 Yellow	1.05	.99@1.00	1.01	.72
OATS				
No. 2 White	.65	.59@.61½	.63½	.51
No. 3 White	.63½	.57@.61	.61½	.48
RYE—				
Cash No. 2	1.26		1.23	1.00
BEANS—				
C. H. P. Cwt.	9.00		8.15	4.35
POTATOES—				
Per Cwt.	2.50	2.35@2.50	2.50	2.66@2.83
HAY—				
No. 1 Tim.	13@14	17@18	13@14	17@18
No. 2 Tim.	10@11	15@16	10@11	15@16
No. 1 Clover	11@12.50	17@18	11@12.50	17@18
Light Mixed	13@14	17@18	13@14	16@17

Tuesday, March 27.—Wheat unchanged. Other grains lower. Good demand for beans and price is holding well. Receipts are light.

More Profits



Cows Hogs Poultry

Records prove that cows give more milk with less feed; that hogs fatten quicker; that poultry raising is more profitable when fresh water at well temperature is available. On thousands of farms, a big yearly dividend is being paid by

MILWAUKEE

Air Power Water Systems

Buy the money-making equipment. You'll be doubly satisfied, when you find out the many ways the "Milwaukee" saves work on the farm. Fresh, running water, no storage tank to freeze or foul. Sizes as low as \$75.



Running Water **direct** From Well

DO YOU NEED A SPRING TONIC?

If so, Try **BANK'S FAMOUS BLOOD TONIC** "New Discover-ee"

To cleanse the BLOOD STREAM, ward off HIGH BLOOD PRESSURE, Headaches, Dizzy Spells, Shortness of Breath, Torpid Liver, Constipation, Rheumatism and kindred diseases. If you desire good health you must have pure blood. Try a treatment of this FAMOUS BLOOD TONIC, "NEW DISCOVER-EE" today. If your druggist cannot supply you, send ten cents to cover cost of packing and mailing a liberal sample.

BANKS & NEAL MEDICINE CO. LTD.
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Dept. M. B. F., Lansing, Mich.

Book Your Order For June Chicks N-O-W

Before Its Too Late!



SWINE

HAMPSHIRE BRED GILTS NOW READY TO ship. Spring Bred cheap.
JOHN W. SNYDER, St. Johns, Mich., R. 4.

FOR SALE—POLAND CHINA SERVICE BOAR. Registered, 1 year old. Guaranteed Breeder. Call or write **ZIBA COLLINGS, Hopkins, Mich.**

DUROC SOWS

and bred gilts sold at a sacrifice. Never a better time to start in the hog business. Fall pigs and service boars. We guarantee satisfaction.
LAKEFIELD FARMS, Clarkston, Mich.



KEYSTONE HATCHERY

BETTER BREED—BETTER CHICKS—GREATER PROFITS
Foreman Strain Barred Plymouth Rocks; Tancred and English Strain S. C. White Leghorns; Keystone quality White Wyandottes. We breed for egg production. Write for catalog. Our official winning will prove to you of how nearly these strains reaches the production perfection. Our liberal Guarantee is your protection.
CAPITOL KEYSTONE HATCHERY R. F. D. 1 Lansing, Mich.



Week of April 1

THE week of April 1st opens with moderately warm weather over most parts of Michigan at which time there will also be scattered showers or rain storms. About Tuesday the temperatures will again be falling so that by the middle of the week readings will be considerably below the freezing line. This condition will be augmented somewhat by the clear weather that will also transpire at this time.

Shortly after Wednesday there will be a return to storminess in the State with rain or snow and wind storms in many counties. The temperatures that will have risen with this storm area will again fall low at the end of the week. The sky will also clear off and with the full moon, clear, snappy nights may be expected.

Week of April 8

The cool to cold weather predicted at end of last week will run over into the beginning of this week. However, the readings will moderate by about Monday as an area of cloudy and stormy weather arrives in the State.

During the middle part of this week there will be a marked rise in temperature and some rather severe wind storms accompanying rain or snow. Again at the end of the week there will be rain or snow storms with strong winds. In between these two storm periods we are expecting the temperatures to fall somewhat but for only a short period. Following the last mentioned storm center temperatures will also fall sharply.

PROPER MOON SIGN HELPS SPUD YIELD

MR. A. W. FLOWER, Wayne County, has written us some of his experiences with farm work in cooperation with moon signs and changes.

He would castrate a two year old service pig "when the sign was going down in the leg on the old of the moon." He says the pig was O. K. in three days.

This year under the above conditions the operation can be done April 14 and 15, May 11 and 12, June 7 and 8 and early part of 9 and July 5 and 6.

His experience with potatoes found that the planting on the first quarter of the moon in Aries resulted in a most beautiful field with tops two feet high which hid the rows. However, there were no potatoes in the fall. When he planted with the sign going down during the old of the moon, he had as high as 19 and 20 marketable potatoes per hill.

Under these conditions proper dates for potato planting this year would be from May 4 to 19, June 3 to 17 and July 3 to 17.

Will take the pleasure to write you a few lines in regard to your valuable paper. It is one of the best protections that farmers of Michigan have ever had.—**Herman Brene, Leelanau County.**

DISPERSION SALE

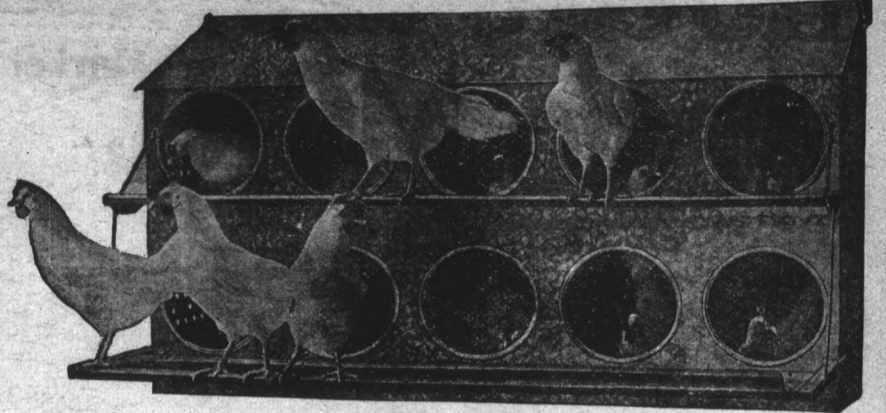
APRIL 3, 1928, AT 1 P. M. SHARP
Having produced Grade A milk for the past 14 years and my contract having expired, I will sell my herd of purebred and grade Jersey cattle on the farm being known as the Rosemont Farm located 1 mile west of New Baltimore on Baycourt Road. This entire herd are outstanding individuals with large milk and fat records. The herd consists of several fresh milks with calves by side, also a large number of heavy springers.

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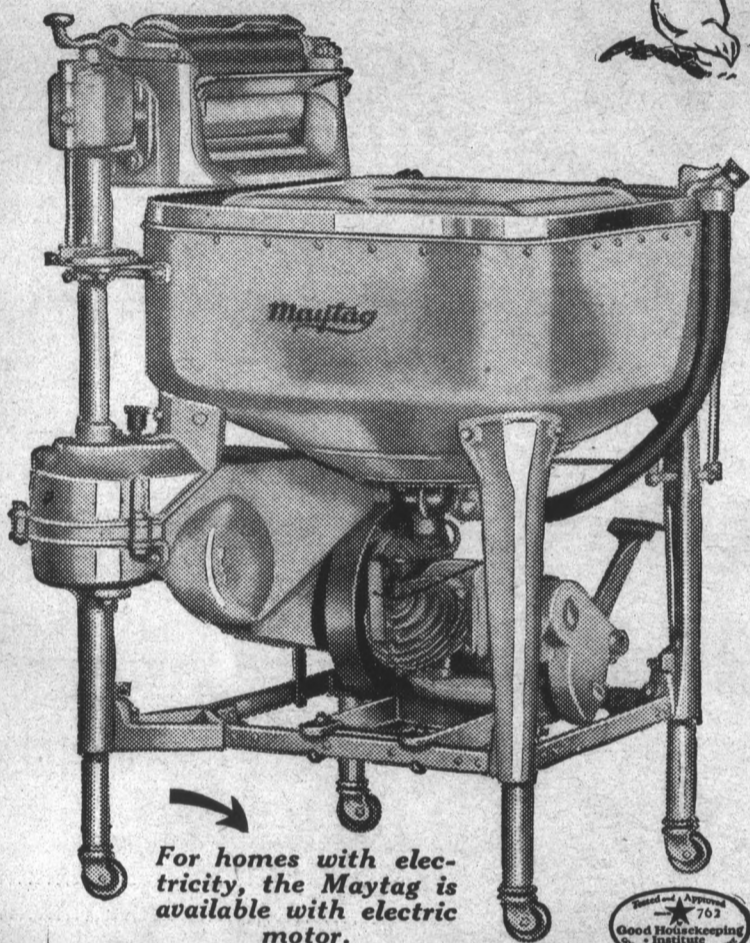
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