

MICHIGAN FARMER

AND *LIVE STOCK*
PUBLISHED WEEKLY.

JOURNAL.
ESTABLISHED 1843.

Vol. CXLVIII No. 21

DETROIT, MICH., SATURDAY, MAY 21, 1927

Whole No. 4760



Nothing to Fear When "Sport" is Near

Cheaper— what do you mean?

BY A THRIFTY FARMER

"Take binder twine. I used to think some twines were cheaper just because they cost a cent or two less per pound. Did I add the grief—knots—snarls—loose bundles and even short length that always went with the cheaper twine? Not on your life! The immediate prospect of saving a few cents was all I considered."

"Two years ago my dealer suggested Plymouth twine. 'A little more expensive' he said, 'But it sure does give results.' One trial sold me on Plymouth. It gave me 100% return on my money and proved the best is cheapest."

Plymouth gives more length per pound

"I find Plymouth always runs the average length guaranteed on the tag.* And from past experience, that's more than I can say for many twines in spite of their printed tag statements."

"If you stop to figure it, some twine may seem to cost a few cents less, but when the eight pound ball runs about 450 ft. shorter than Plymouth twine there is no saving in buying it."

No grief with Plymouth

"Plymouth's superiority doesn't stop with greater length. It doesn't tangle or snarl in the twine can. It doesn't break—because, it's free of knots and uneven spots."

"If you asked me now—'what do you mean by a cheap twine?' I'd say 'Plymouth is the cheapest and the best twine on the market.' You can always count on complete satisfaction when you use Plymouth."

*Plymouth Twine is spun 500, 550, 600 and 650 feet to the pound. Look for guaranteed length on tag.



Plymouth—more economical:

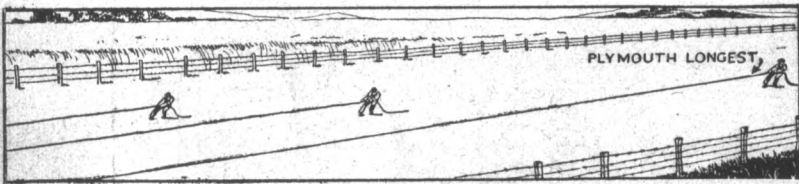
the six-point binder twine

1. It's longer—full length to the pound as guaranteed on the tag;
2. It's stronger—less breaking, less wasted time, less wasted grain;
3. It's even—no thick or thin spots—no "grief";
4. It's better wound—no tangling;
5. It's insect-repelling—you can tell by its smell;
6. It's mistake-proof—printed ball—and instruction slip in every bale.

Do you know about
PLYMOUTH
"GOLD MEDAL"
The Wonder Twine
30% longer than Standard

You can easily test Plymouth's length per pound against any other twine. The experiment pictured at the left has been made frequently.

Take a ball of Plymouth and any twine of the same weight and tagged as being the same length per pound and unwind them down the road. Then measure the length. Plymouth twine wins out—7% to 16% longer than cheaper twines.



PLYMOUTH

Plymouth binder twine is made by the makers of Plymouth rope.

the six-point binder twine

PLYMOUTH CORDAGE COMPANY
North Plymouth, Mass.
Welland, Canada

MICHIGAN FEEDERS' DAY, JUNE 9.

MICHIGAN live stock feeders are being invited by the Live Stock Husbandry Department of the Michigan State College, to inspect the results of the stock feeding experiments carried on at the college this past year. This Michigan Feeders' Day is called for East Lansing, on Thursday, June 9, beginning at ten o'clock. What the college has found out about the comparative feeding values of corn and barley is one of the interesting features of this day. Another is the relative feeding virtues of heifers and steers. Twelve lots of hogs have been fed and will be exhibited for inspection. Other subjects worthy of the careful attention of all feeders will be shown and talked about on this occasion.

REMODELS KITCHEN.

ONE Ottawa county woman whose house contained an old-fashioned, large kitchen, has remodeled the kitchen and from the space has obtained a compact, convenient kitchen, a wash-room, a bath room, and a breakfast nook. An extension course in home management convinced this farmer's wife that it was unnecessary to walk several miles each day while preparing meals for the family.

WOMEN SHOW INTEREST IN HOME FURNISHING COURSE.

THE attendance at meetings at which local leaders taught the third lesson in the home furnishing course in Cass, St. Joseph, Saginaw, Montcalm, and Kent counties, was 793. The fourth and fifth lessons take up the part played by floor coverings and curtains in the decoration of a home.

SHEEP TESTED FOR RECORD OF MERIT.

ANIMAL Husbandry Specialist, V. A. Freeman, has been visiting farms at shearing time to check the weights of fleece on sheep entered for Record of Merit. A Merino owned by E. M. Moore, of Mason, produced a fleece which weighed 29.3 pounds. The ewe was fed grain all last summer, was kept out of storms, and did not raise a lamb.

MARL DIGGERS BUSY.

THE three marl demonstration outfits being operated by Michigan State College, dug 1,600 yards of marl during April. They were in operation at Kingsley, Cascade, and Perry. All of the outfits will be moved and the next marl will be dug at Buckley, and Six Lakes. A new type of bucket which appears to give good results in beds of soft marl is being used by the outfit at Cascade.

The Bad Axe Community Club recently planted 105 elm trees along the roadsides north of the town.

Watch Your Step

LUCKY NUMBERS.

SOME real estate concerns make a practice of giving numbered tickets away for free chances on lots in some far-out subdivision. The purpose of the plan is supposedly to advertise the subdivision. Most everybody who signs one of the numbered blanks is notified in due time that he has drawn the lucky number and is entitled to a free lot, and should come in for his deed and abstract. Sometimes real estate men call and urge one to look over the sub-division. In practically all of these cases the charges for the registering of the deed and the obtaining of the abstract are greater than the land is worth.

A MICHIGAN FARMER Liner is a good investment. Try one.



Newton's Compound
Heaves, Coughs, Conditi-
on, Worms. Most for cost.
Two cans satisfactory for
Heaves or money back. \$1.25
per can. Dealers or by mail.
The Newton Remedy Co.
Toledo, Ohio.

NEW! LOW MODEL MELOTTE

NOW—for the first time, the farmers of America have a chance—(they get quick!)—to see and USE on 30 Days' FREE Trial, the NEW Low Model Belgian Melotte Cream Separator. In the NEW Melotte you NOW have a greater convenience and all-around satisfaction than was ever known before.

Don't Pay for 4 Months

Yes, you need not pay one cent for 4 Months after you receive the NEW Melotte. Special Introductory Low Price RIGHT NOW! 30 Days' FREE Trial. Write for FREE Book and Special Offer.

MELOTTE SEPARATOR Dept. 31-05
H. B. BABSON, U. S. Mgr.
2843 West 19th Street, Chicago, Ill.

FOR INFLAMED JOINTS

Absorbine will reduce inflamed, swollen joints, sprains, bruises, soft bunches. Quickly heals boils, poll evil, quittor, 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.



From our files: "Fistula ready to burst. Never saw anything yield to treatment so quickly. Will not be without Absorbine."

ABSORBINE
TRADE MARK REG. U.S. PAT. OFF.
W. F. YOUNG, Inc., 468 Lyman St., Springfield, Mass.

HOLSTEINS —more Calves!

The ability to produce large healthy calves each year is an established Holstein characteristic. Holstein calves are easily raised and surpluses may be profitably vealed at early ages.

Write for literature
Extension Service
HOLSTEIN-FRIESIAN
ASSOCIATION OF AMERICA
230 East Ohio Street Chicago, Illinois

Eureka SPRAYERS

Traction or Power

Do the biggest, most important job in raising field crops and fruit. Increase yield 50 to 200 per cent. Improve quality. Insure investment by destroying bugs, preventing mold and blight.

Traction Sprayer has 1, 2 or 3 nozzles per row; 4, 6 or more rows per boom. Wheels adjustable to width of rows. 60 to 100 gal. tanks. Double or triple action pumps. Thousands of satisfied users.

Combination and Power Sprayers for orchards, groves, and field crops, have 3 cylinder pump; pressure regulator; 2 H.P. Engine; 100 gal. tank. Develops 300 lbs. pressure with one spray gun or several spray rods. With or without truck.

In stock near you. Write for Catalog on Eureka Sprayers
Eureka Mower Co., Box 1408, Utica, N. Y.



DEVOTED
TO
MICHIGAN
VOLUME CLXVIII

MICHIGAN FARMER

LIVE STOCK JOURNAL
PUBLISHED WEEKLY ESTABLISHED 1843

QUALITY
RELIABILITY
SERVICE
NUMBER XXI

A Practical Journal for the Rural Family
MICHIGAN SECTION THE CAPPER FARM PRESS

Faith in Dairy Cow Justified

H. F. Probert, Master Farmer, Builds Farming Program Around His Jersey Herd

THE last story of the 1926 Michigan Master Farmers' series will be of a specialist in the production of dairy animals. In this instance, the whole farm enterprise has been shaped to support a remarkable breeding business in which the breeder has gained a national reputation for the development of high-class Jersey cattle.

About three miles south of the city of Jackson will be found the impres-

By Burt Wermuth

sively is not another farm home in Michigan as pretentious as this built from materials gathered on the farm and shaped for the building under the supervision of the farmer himself, and then erected after plans also designed by that same farmer. The interior of the home impresses one every bit as favorably as the exterior; and, although it was erected by Mr. Probert

early hobby of mating rabbits, goats, dogs, and poultry, and closely studying the offspring.

Naturally, when he again turned his attention to the farm, these early experiences led him to undertake some line of breeding. He selected the Jersey cow, and now has on his farm a herd of high-producing stock, uniform in type, wonderfully prepotent, and full of vigor.

He early organized his farming around this Jersey breeding business. His crop program is designed for the production of roughage and grain suited for the growing of healthy dairy animals.

This farm was an unpromising one a quarter of a century ago. A glance at the buildings suggests that it was stony; it was and is. One of the annual jobs is to go over the plowed fields and remove the stones brought to light by tillage. Further, it had

been farmed many years and the soil was quite deplete of humus when Mr. Probert took it over. Every sort of soil may be found here. On the day of a recent visit we could see in a field being fitted for oats, soils of every color; yet we know that this same field produced uniform crops, due to the high plant food content of the land.

The live stock system followed on this farm makes possible the maintenance of rich soil and the production of maximum crop yields. Although at the present time only about fifty head of cattle are kept, during the many years when labor was available, the live stock content of the farm was around one hundred and fifty head. To keep so many cattle required much grain, and since this owner is a careful feeder, many carloads of concentrates are purchased for balancing the home-grown grains and forage. These concentrates remain on the land and provide valuable plant food constituents. (Continued on page 686).

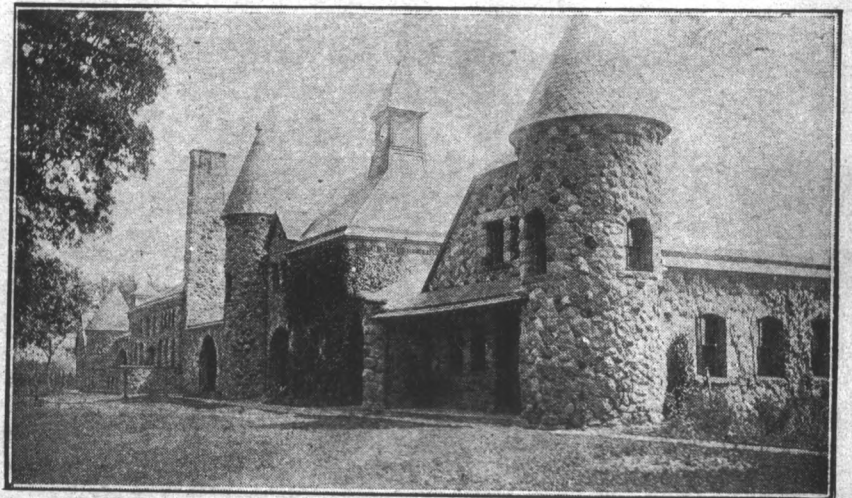


Mr. Probert Designed this Fine Home and Built it with Materials Gathered From the Farm.

sive homestead of H. F. Probert, who for more than a quarter of a century has been producing and selling Jerseys of quality to discerning breeders in nearly every state of the Union and in Canada. We say impressive. The pictures of the home and the barns on this farm will give the reader a little idea of the Probert domicile. Only it will be necessary to imagine these buildings located on an elevation, and surrounded by a large grove of stately oaks, with the beautiful valley of the Grand river at the rear. There prob-

two decades ago, practically every modern convenience is provided.

He is a trained engineer, having been for a number of years before he undertook farming, in the employ of one of the largest railroad systems of the country. But his insight into the breeding business even antedates his engineering training, for way back on the little farm in New Jersey where he was born, he early developed a knack for budding and grafting fruit trees in his father's and neighbors' gardens, and also gave careful attention to his



In this Dignified and Permanent Structure Are the Dairy and Horse Stables, the Silos, Feed Rooms, Tool Room, Machine Shop, Poultry House; Ice Storage—All Well Arranged and Kept in the Strictest Order.

Honey Brings in Extra Money

Girl Finds Bee-Keeping Easy and Interesting

ANYONE with fairly steady nerves, who is willing to devote time and energy to the keeping of bees, can make a profitable employment out of the undertaking; but patience and courage are necessary to become a successful apiculturist.

A location should be chosen where clover, buckwheat, fruit trees and other nectar bearing trees and plants can be available, although it is not necessary that they be real close at hand, as bees will go several miles for their food, but if the supply is rather close it is better. One of the advantages of bee-keeping is that it does not consume a great amount of time, for as little as an hour a day should keep a small colony of hives in good order after once started. The beginner should first study the keeping of bees from someone who has a practical knowledge, or from some good book, or some good journal. If possible, one should have access to some apiary

where he can watch some bee-keeper at work.

One young girl, whom I will call Miss Kelley as she asked me not to use her real name, found bee-keeping profitable. Her interest in bees was aroused by watching a young man who had several stands of bees, and who was so successful that he was able to sell many pounds of fine honey every year.

Miss Kelley became so absorbed in watching the little workers—and hearing all that the young man could tell her of bee-culture, that she began to read and study the subject. Soon she invested \$10 in a stand of bees and a few necessary implements, as an experiment. This young man, a cousin to Miss Kelley, sold her the bees on credit, she to pay for them when they made enough money clear to pay the bill. Soon after starting the colony her eyes became trained to see the wonders of this "house in order," and

even today, after several years of successful bee-keeping, she says she finds something of new interest almost every time she opens the hive. Her enthusiasm and love for her bees has never waned. Miss Kelley says that she has had many amusing experiences, and has become an "object of wonder" among her young friends.

Her first attempt at tree climbing was caused by a hive swarming into a big maple tree a half mile from her home. After much deliberation she decided to saw the limb off on which they were clustered, and let it down with a rope. After severing the limb and lowering it to the ground she shook the bunch of bees into a box, covered them up, and hauled them home on a child's express wagon. This experience, however, determined Miss Kelley to prevent swarming in the future by clipping the queen's wings, a very delicate and tedious operation. It must be done so cautiously that

even the royal lady does not know that she has been deprived of her means of flight. A very sharp pair of manicure scissors is the best sort of an instrument to use.

When the colony of bees start to swarm, they find their queen is unable to fly with them, and they return to their hive. When this bee-girl finds the bees circling the air she hunts for the queen, and when found she sets her on a frame of brood and honey which she puts in a new hive already furnished with frames of wax foundation. The hive is then placed where the old one stood. The swarming bees, seeing that their queen is missing, return to the hive and are delighted at finding their mother, and plenty of room to store honey. They immediately begin to work with great vim.

In the spring there are always numerous cells containing embryo queens. (Continued on page 672).

MICHIGAN SECTION THE CAPPER FARM PLAN



Published Weekly Established 1843 Copyright 1927

The Lawrence Publishing Co.

 Editors and Proprietors
 1652 Lafayette Boulevard Detroit, Michigan
 Telephone Randolph 1530

 NEW YORK OFFICE, 120 W. 42nd St.
 CHICAGO OFFICE, 608 South Dearborn St.
 CLEVELAND OFFICE, 1011-1013 Oregon Ave., N. E.
 PHILADELPHIA OFFICE, 261-263 South Third St.

 ARTHUR CAPPER President
 MARCO MORROW Vice-President
 PAUL LAWRENCE Vice-President
 F. H. NANCE Secretary

 I. R. WATERBURY Associate Editors
 BURT WERMUTH
 FRANK A. WILKEN
 I. A. LEONARD

 Dr. C. H. Lerrigo Advisory Staff
 John R. Rood
 Dr. Samuel Burrows
 Gilbert Gusler
 Frank H. Meckel

I. R. WATERBURY, Business Manager

 TERMS OF SUBSCRIPTION:—One Year, \$2.00
 50c. sent postpaid. Canadian subscription 50c a year
 extra for postage.

 CHANGING ADDRESS.—It is absolutely necessary
 that you give the name of your Old Post Office, as
 well as your New Post Office, in asking for a change
 of address.

 RATES OF ADVERTISING
 25 cents per line, agate type measurement, or \$7.70 per
 inch (14 agate lines per inch) per insertion. No ad-
 vertisement inserted for less than \$1.05 each insertion.
 No objectionable advertisements inserted at any price.
 Entered as Second Class Matter at the Post Office at
 Detroit, Michigan. Under the Act of March 3, 1879.

Member Audit Bureau of Circulations.

Free Service to Subscribers

 GENERAL:—Aid in the adjustment of unsat-
 isfactory business transactions.
 VETERINARY:—Prompt advice from expert
 veterinarian.
 LEGAL:—Opinions on all points, from a
 prominent lawyer.
 HEALTH:—Practical personal advice from an
 experienced doctor.
 FARM:—Answers to all kinds of farm ques-
 tions, by competent specialists.
 HOME:—Aid in the solution of all kinds of
 home problems.

VOLUME CLXVIII NUMBER TWENTY-ONE

DETROIT, MAY 21, 1927

CURRENT COMMENT

Honor
to the
Kedzies

IN connection with the dedication of the Kedzie Laboratory at Michigan State College and the observance of the seventieth anniversary of that institution last week, was a delightful banquet and program commemorating the seventieth birthday of Dean Frank S. Kedzie, and participated in by two hundred of the Dean's close friends.

The name Kedzie has been identified with the Michigan State College for all but six of the years since this, the oldest public agricultural institution in the country, was established at East Lansing on the thirteenth day of May, in 1857. Dr. Robert C. Kedzie, father of Dean Kedzie, from the time of his appointment sixty-four years ago to pioneer in the realm of scientific agriculture, was a dominant personality in shaping the policy of the institution along lines of practical usefulness, and in inspiring the young men and women, who came for an education, with a desire to be of the utmost service to humanity. This work Dean Frank S. Kedzie gradually took up after his graduation from the college fifty years ago, and has been and is carrying on with ever-widening spheres of influence.

It was most appropriate that a few score of the thousands of men and women who have been better fitted to do their part in the world for having been touched by these two outstanding personalities, could come together and enjoy a happy hour with "Professor Frank." The banquet hall was surcharged with reminiscences of the Kedzies. Men spoke frankly and freely of episodes which told much of these two men and their service.

Likewise, it was a prophetic hour. The old mingling with the young testified of a certainty that the Kedzies built with immortal bricks. What they have erected is anchored to the eternal

rocks and reared heavenward as monuments of unending human energy, quickened conscience, and loyal, unstinted service. Our day and the future need more of such men to instruct and inspire young life and to advise and direct in the affairs of men.

Bankers
Are
Optimistic

AN outstanding feature of the American Bankers' Association meeting recently held, was the optimistic feeling of the agricultural commission of that organization regarding the status of farming.

Every member of the commission felt that farming was getting on a sound basis, and that the outlook for this year was good. One prominent member stated that, except where farmers bought land at inflated values, they were doing well. Several other members suggested that the agricultural depression has taught farmers much in the way of efficient methods. One member thought farmers generally, farmed too much land and were not intensive enough in their methods. Another, from the south, said that the low price for cotton brought more diversification in the cotton belt than years of urging had done before.

F. D. Farrell, president of the Kansas State Agricultural College, a member of the commission, said, "Agriculture is undergoing a difficult process of adjustment. There is no single method that can be relied upon for improving the agricultural situation. Factors that make for improvement include: Better distribution of the tax burden to reduce the burden on land; more scientific methods of standardizing products in relation to market demands; state and federal action to discourage for a time, the bringing into cultivation of more arid and cut-over lands."

We believe that these men have sane views regarding the agricultural situation, and share their optimism regarding the future of farming. The rapid change from haphazardness to methods based on knowledge, such as the results of cow testing, poultry culling, seed certification, is sure to help one to adjust his farming plans to a more profitable basis.

The lack of definite knowledge has heretofore been farming's greatest handicap. It is only through knowledge that we can establish profitable methods of procedure.

Hunters
Must Get
Permits

IF Governor Green signs the trespass bill passed last week by the 1927 Michigan Legislature, (thanks to that body), it will be necessary for hunters this fall to secure the permission of farmers before going upon farms legally to hunt. In the past farmers have had to post their land where they objected to the trespassing of hunters. How much good will result from the enactment of the above measure will be determined by experience.

We regret that our law-makers did not see fit, to provide some effective machinery for the enforcement of laws relative to trespassing upon farm land. That is where the old law failed, and in all probability is where the one just passed will be found wanting.

Believing that the farmers of Michigan are entitled to reasonable protection along this line, it shall be the policy of this publication further to cooperate with other agencies in the state, and with the farmers themselves to secure by all fair and legitimate means, such legislation at some future date.

In the meantime, we wish to express our appreciation to the individual farmers, the farm bureau, the grange, farmers' clubs, and the various other agricultural organizations for the opportunity we have had of working with them on this issue. Continued cooperation ought to secure for the farmers

from the next legislature, a larger slice of the loaf so necessary to the peaceful enjoyment of their farms.

Health
Secret
Revealed

A COLLEGE professor who is still actively carrying on two days' work in one, at an age when the majority of men retire, has recently revealed his code of health rules, which he adopted early in life and to which he attributes his excellent health in his advanced years.

His secret is that, "I never ran when I could walk, never stood when I could sit, and never sat when I could lie down." This secret of relaxation and saving one's self is one that too few of us learn until it is too late. In the rush of a busy life, we hurry, hurry, and really get no more accomplished than if we adopted a more orderly plan of life.

Right now is the busy season on the farm, and all hands must be at the wheel if the work on the farm and in the home moves off on schedule time. But the work can be accomplished at a better advantage and in less time, if we observe regular periods of relaxation. Our bodies are only human machines after all, and need proper care, as does our automobile and tractor. But in being human they require one thing that a machine does not, and that is rest and relaxation.

It was John Wesley who once said, "Though I am ever in haste, I am never in a hurry," and John Wesley lived to the ripe old age of eighty-eight years.

Along
the
Highways

TRAVELERS along the Detroit-Grand Rapids highway have noted that the old M-16 signs have been replaced by U. S. 16. Our other highways are also losing their M signs in favor of U. S. signs. It will take many of us a while to get accustomed to the new numbering system. We can not refer to M-16, M-17, M-11, etc., as old friend roads, and we shall undoubtedly have to scratch our heads to recall the new numbers. But they are the same roads going past the same familiar sights.

This change is a step in the right direction. In this day of perfected travel, state boundaries should not cause changes in road numbers. Roads go from one place to another, regardless of boundaries or distance. The only limitation in travel nowadays is the time one has for it.

The world is becoming available to all of us. A few years ago those who traveled in Europe were looked upon with awe and wonder, but nowadays students, teachers, and common working folks are vacationing in the old country, or other distant places. Many folks, including farmers, migrate to the south annually, much as the birds do. The gasoline buggy does it.

People largely get their impression of a state from the condition of its roads. Where roads are bad, their attention is attracted from scenic beauty to humps and bumps. Michigan can be proud of her roads. They have enabled thousands to come and realize the beauties of this fair peninsula.

Eternal vigilance is necessary to maintain these roads in good condition for pleasure travelers as well as for farmers and others who use them in the pursuit of their business.

Basis of
Modern
Agriculture

THE other day we read the statement of W. W. Weir, of the federal bureau of soils, that it took farmers three thousand years to develop the fundamental principle of crop rotation. Fundamentally, crop rotation consists of growing an inter-tilled crop, followed by a small grain crop, and then by a grass or leguminous crop. This system sup-

plemented by fertilizer and modern methods, gives us full use of the land.

The beginning of land handling was about 29 B. C., when the practice of letting the land rest to regain fertility was common. Then came the bare fallow method in which the ground was kept clean of weeds and everything else for a year or so. The use of clovers followed, but the practice of intertillage, or hoeing between the rows, was not a common practice until early in the eighteenth century, when the English farmers realized its value.

Crude methods sufficed in the early days when population was small, but the world is now more thickly peopled and therefore more intense methods of food production are necessary. Just at this time it seems that production is greater than consumption, but the future, with its predicted population increases, will need the advantages of all we know now of farming, and more.

While we do not need efficient methods now to keep our inhabitants well fed, we do need them seriously to put farming on a profitable and efficient basis. Less land, more efficiently cultivated, is one of the fundamental factors in the solution of present-day farm economic problems.

Workology

I'M supposin' that you all are expectin' me to say something about what Sofie said last week. For that reason I'm going to say something, and only for that reason, 'cause it don't do me no good to stimulate family arguments, 'cause my arguments ain't listened to, and maybe likewise Sofie's.

Sofie is what you call a work specialist. She works hard to get me to work, and she says she works hard otherwise. Well, now, if she cut out working to get me to work, she could get lots more real work done or, anyhow, she could rest up from her other work if she is doing all she kin do now.

Work is one of them necessary evils. I don't know anyone who gets a heap o' joy out of doing it.

But there's some folkses what think we live to work, but I figure we've got to work to live. I know some folkses who live without workin'. I don't know how they work it, but they do.

Life is just like a auto. Some folkses give a auto a lot of wear and tear, and some folkses do the same to themselves. I'm a sort of efficiency man when it comes to living. I like to live with as little wear and tear as possible. So, why work any more than you have to to get a good time out of living. I believe in getting the best living I can out of the least amount of work, and I'm sure any efficiency expert will say I got the right idea.

I don't know who invented work. They say Adam is to blame because he let a woman coax him. Well, anyhow, all you got to do is to look in the papers to find men is still making fools of themselves. So if Adam wasn't the one, there's been enough since to make the sentence of work for life a just one. The only thing is, the ones what make fools of themselves are the ones who ought to work the hardest. But the innocent is always got to suffer with the guilty; it ain't fair, but it's so. So, I've got to suffer with the rest of them.

Of course, somebody will say I must of made a fool of myself, maybe, when marrying Sofie, but, of course, that ain't for me to say. Anyhow, I know I got the sentence of work, and I'm doing all I can to take it as easy as possible. But Sofie is just like a guard, she's always over me eggin' me on. Eggin', I guess, is the right word to use when speakin' in connection with women, 'cause nowadays they're either chicken or hen.

HY SYCKLE, Restologist.





COVERING AN OLD HOUSE.

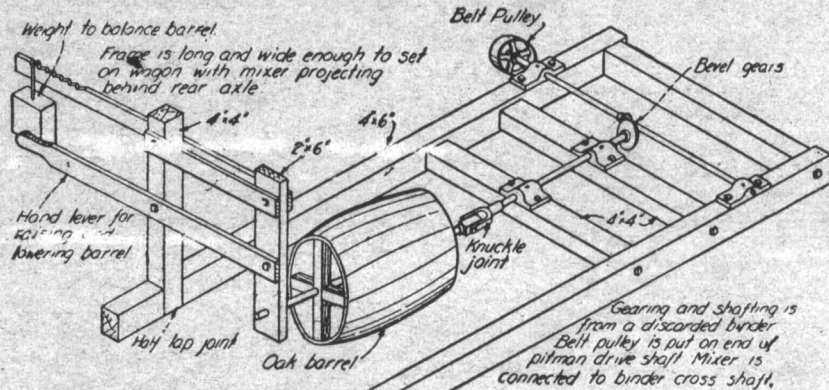
My house needs painting, but I thought to make it warmer and to save painting, I would cover it with building paper and then three-in-one asphalt shingles. Would it pay me to do this? What other way would be better?—C. F. P.

Asphalt shingles would be satisfactory, except that they are not very stiff and as the siding boards are irregular would not lay real smooth. Wood shingles may be used for this purpose, and will not only add a great

fifty to one hundred feet from the well. The tile leading from the tank to this point of discharge should have cemented joints so that leakage will not take place, before it reaches the proper distance from the well.

The best method of taking care of effluent is by the sub-surface irrigation system, which consists of a line of ordinary drain tile placed about one foot to eighteen inches under the ground. These tile have open joints which permits the discharge to seep into the surface layer of the soil where

A Home-Made Concrete Mixer



How One Farmer Rigged up a Concrete Mixer that Worked. It is Operated with Belt Power.

deal of warmth to the house, but will usually improve the appearance and be durable. Creosote stained shingles are satisfactory. They may be obtained in sixteen, eighteen or twenty-four-inch lengths. The twenty-four-inch length has half-inch butt and is particularly suitable for putting over old clapboards. They may be had in a dull white or in colors.

Stucco in a great variety of colors and surface finishes may be used for covering an old house. The magnesite stucco, about which I am sure your local mason can tell you, is also particularly well adapted for old surfaces.

Whether it would pay to put a new covering over the present exterior wall would depend upon the value of the building on which you are putting it, and upon the condition of the wall. This is a question which you will have to decide.—F. E. Fogle.

LOCATION OF CESSPOOL.

How far must a cesspool or a septic tank be placed from a drilled well thirty-seven feet deep, to be safe?—B. anywhere in the neighborhood of a cesspool or septic tank and the well, would say that I do not know how far distant a cesspool should be from a well. A cesspool is too dangerous a method of sewage disposal to have anywhere in the neighborhood of a well. A cesspool is nothing more than a hole in the ground, with some sort of curbing on the sides and the bottom, open to permit of the seepage of the sewage into the ground. It is impossible to state how far the sewage will travel, and how far-reaching its contamination will be. The question of contamination depends much on the formation of the soil, and since it is impossible to know the exact formation, there is no sure way of determining the proper location.

In case of a septic tank, the proposition is a little different. A septic tank, when properly constructed, is made watertight and the tank itself can be placed near the well if necessary. Of course, when the tank is so placed, special care should be taken to construct the tank so that leakage will not take place directly from the tank. The effluent from the tank should be discharged at a distance of

it very quickly becomes harmless. A septic tank provided with an intermittent discharge will greatly assist the proper distribution of the sewage in this sub-irrigation system.—O. E. R.

SPREADING WET MARL.

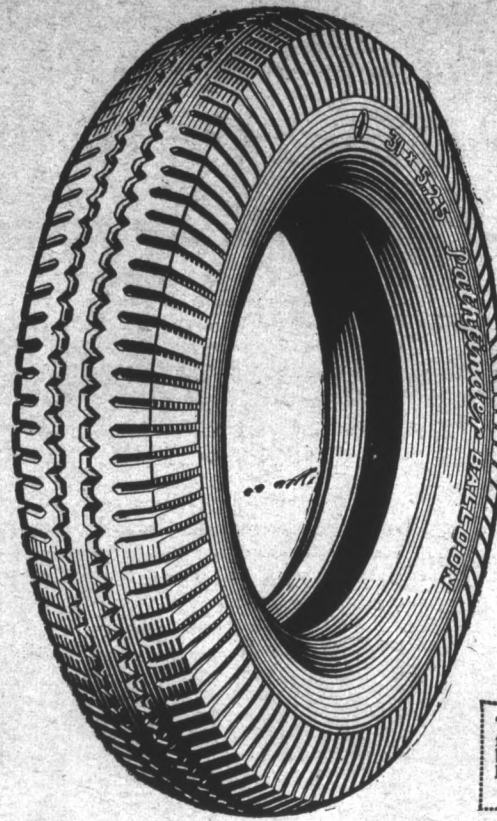
What is the best method to use in spreading wet marl? We have a great deal of marl in this county and it is impossible to get it dry, so I would like to know the best way to spread it when it is wet.—O. D.

There is a great deal of difference of course, in marl, even when wet. Marls containing any considerable amount of clay are extremely sticky. Marls which do not contain clay often become quite friable and mellow, after two or three weeks of air drying. These can be handled very satisfactorily in a manure spreader, which is about the only satisfactory way which has been devised for spreading marl when sticky. By placing a thin layer of straw on the bottom of the spreader and loading one-half to two-thirds full, so that the material can be applied at the proper rate, this will answer very well. The manure spreader is, of course, not a good vehicle for hauling where it is necessary to haul marl a considerable distance. It is probably best to pile it in small piles over the field, and spread it by hand after it has some time to dry out.

WHEN CAR STARTS WITH A JUMP.

WE often notice a car start with a jump when the clutch is engaged. This usually means that the clutch is too fierce. When starting from a standstill the clutch should be engaged slowly. If it is a leather-faced clutch, the leather should be treated with neatsfoot oil. The oil should be allowed to soak into the leather for several hours.

ONE frequently sees the luster on a motor hood completely gone, and thinks that the heat from the engine has done the damage. This may be true to some extent, but only indirectly. It is probably due to washing the hood before the motor has cooled. The rapid drying, due to the heat, ruins the gloss.



The famous Goodyear Pathfinder. Car owners have already bought nearly 5,000,000 of these lower-priced, standard quality Goodyears.

Not in any catalogue

One of the biggest safeguards of low-cost tire mileage is not to be found in any catalogue.

That is the helpful service performed for you by the local Goodyear dealer.

He doesn't merely sell you a Goodyear Tire and let it go at that. He sees that you get the right size and type; he mounts it on the rim; he fills it with air.

This is worthwhile service, saving you effort and time; but his biggest contribution comes after the sale.

As long as that Goodyear Tire is in use he helps you give it the care it should have in order to deliver the best results.

This money-saving service is available in your home town, as part and parcel of the Goodyear policy: to build the greatest possible value into Goodyear products, and to provide facilities so that users can get all this inbuilt value out.

Goodyear makes a tire to suit you—whether you want the incomparable All-Weather Tread Goodyear, the most famous tire in the world, or the lower-priced Goodyear standard quality Pathfinder

Goodyear Means Good Wear

GOODYEAR

Copyright 1927, by The Goodyear Tire & Rubber Co., Inc.

"When I Drive These Last Two Red Tops I Will Have Built My Fence Over In Three Years!"

JUST drive in a RED TOP Steel Fence Post alongside a rotting wood post, fasten the same fencing to it with the RED TOP handy fastener and that post job is done for many years. It is the simplest and easiest and most economical way to replace posts. Adds many years of service to the fence you now have. Gives the farm an orderly and business-like appearance. Adds to its value. Makes intensive farming practicable and profitable. Saves a lot of valuable time each Spring that is usually frittered away on repairing and re-stapling fences and replacing rotted and broken wood posts.

Red Top GUARANTEED Steel Fence Posts

RED TOP Steel Posts are not only best for replacements but should be used when erecting new boundary or cross fencing. They hold the fence perfectly and permanently, outlasting 4 or 5 ordinary wood posts. Easy to install. One man with the RED TOP One-Man-Drive can drive 200 to 300 posts a day regardless of the condition of the soil. The work can be done at odd times. The next time you are in town throw on a load of RED TOPS and take them to the farm. When you have a couple of hours replace a few posts and note the improvement in the fence line. You'll never notice the slight cost. RED TOP Steel Drive Fence Posts reduce a week's fence building job to a little more than a day.

Ask the RED TOP dealer to show you this guaranteed Post. Note aluminized, weather-resisting finish that adds to both the appearance and life of the post.

RED TOP STEEL POST COMPANY
38-L So. Dearborn St., Chicago, Illinois

With the RED TOP Post Driver, one man can drive 200 to 300 posts a day



Try a Michigan Farmer Classified Ad. for Results

THE WORLD WORKS IN CROWN OVERALLS

FOR MEN
& BOYS

Ask Your Dealer For
SUPER

CROWN SHRUNK

GUARANTEED NOT TO SHRINK
AND NOT TO FADE

Made of close woven, deep dyed, extra heavy, 8-ounce indigo denim; shrunk and prepared by a secret process in our own denim mills.

A New Pair
FREE
If they Shrink

The Million Dollar Overall

From the cotton fields to your dealer, every step in the manufacture of the denim and garments is owned and controlled by the Crown Organization. This eliminates all extra profits, therefore;

THEY COST NO MORE THAN ORDINARY OVERALLS

UNION MADE

SEND FOR THIS VALUABLE BOOK—"Crown Ready Reference for Farm and Home." A gold mine of valuable and interesting information. Nothing like it ever published. MAILED FREE. Address Dept. D-18

If Your Dealer Cannot Supply You—Write Us!

The CROWN OVERALL Mfg Co.
LARGEST IN THE WORLD CINCINNATI, OHIO.

Also Manufacturers of Overland Trousers, Berman Shirts, Crown Play Suits, Adjust-Alls, All-In-Alls and Overland Overall

State Capitol News

By Our Lansing Correspondent

AMID wild scenes of last-minute business and unrestrained horseplay, the Legislature completed its labors last week Saturday morning, and the members dispersed to return to private life. A whole flock of bills were passed during the last few days, and referred to Governor Green for approval or veto.

One record the recent Legislature certainly has won for itself. That is the distinction of holding the longest session in many years.

The total number of bills introduced in the House and Senate was 899. Whether the session may be regarded as a good one or not, depends entirely on the point of view. In general, probably the desires of organized labor have received more sympathetic attention than those of the manufacturers. Farmers probably came out about fifty-fifty. Many of their principal requests were not granted, but when the complete record of the session is studied, it will be apparent that considerable beneficial agricultural legislation was enacted after all.

A brief summary of some of the more important bills of interest will be presented in next week's issue of The Michigan Farmer.

It is both a surprise and a pleasure to be able to report that the law-makers finally enacted a measure to require hunters to obtain the permission of farmers before trespassing upon their property. For several weeks it has looked as though no bill along these lines could be passed, but during the closing days of the session the House committee on conservation reported out the Horton bill on this subject, with an amendment substituting the Brake bill for Section 1 of the Horton bill. This bill was passed by the representatives sixty-one to fifteen, and the amendments were agreed to by the Senate.

It is practically certain that the governor will sign the bill, inasmuch as he advocated legislation of this character in his inaugural message.

School officials and others interested in the Michigan statutes relative to education, will be glad to know that in the future it will be considerably easier than in the past to find out what the law is relative to any school matter. Both the House and the Senate have finally passed a 324-page bill providing a complete re-codification of all the state laws relative to schools and education.

Few changes of any consequence were made from the regulations provided by the statutes now in force, but a multitude of these separate, overlapping and confusing laws were repealed and supplanted by the new code. The bill was prepared by the state superintendent of public instruction and introduced by Senator Norman B. Horton, of Fruit Ridge.

Both the Senate and House have passed a bill by Senator George S. Barnard, of Benton Harbor, providing new laws regarding the importation and spread within this state of certain dangerous insects and fruit diseases.

When Governor Green vetoed the proposal passed by the law-makers providing for \$5.00 a day for each of them as an expense allowance, he recommended that a constitutional amendment on this subject be submitted to the voters. The Legislature has followed this suggestion and has passed a constitutional amendment introduced by Representative Milton R. Palmer, of Detroit, and providing that the pay of a member of the Legislature would be \$3.00 per day during the period for which elected.

This looks like a very modest salary,

but a little use of the lead pencil shows that it would mean a substantial pay boost for the solons. It would apply 365 days a year, so the annual salary of a member of the Legislature would be \$1,095; during the two-year term this would be \$2,190, considerably more than the \$800 now received by a member of the Legislature.

By a vote of eighteen to ten the Senate approved a bill by Representative William J. Thomas, of Grand Rapids, providing for the abolition of the present state tax department, and for the creation of a state tax commission to take its place. It is said that one of the purposes of this bill is to automatically legislate George Lord, of Detroit, present chairman of the tax department, out of a job. It is also said that the rural districts will receive more recognition and sympathy at the hands of the new commission.

The appropriation for the state department of agriculture, carrying an item of \$250,000 for each of the next two years for the payment of state indemnities on condemned tubercular cattle has been passed by both the Senate and the House.

In view of the Detroit milk ordinance, which provides that after January 1, 1928, no milk may be sold in that city which does not come from herds tested under state and federal supervision, a strong effort was made by dairymen in unaccredited counties in the Detroit milk market area to secure an extra \$100,000 for speeding up the testing in that portion of the state. Although the Legislature refused to grant more than the customary \$250,000 a year for this project, the governor has assured the dairymen that the state administrative board will provide the necessary funds to meet the emergency.

The Upper Peninsula Agricultural School at Menominee will receive \$75,000 state aid during the next two-year period if the governor signs a bill to this effect already passed by both branches of the Legislature.

Governor Green has given his approval to the truth-in-fruit juice bill, sponsored by Senator George S. Barnard, of Benton Harbor. This measure provides that any artificial, adulterated or imitation drink would have to be properly labeled so that no one might mistake it for genuine fresh fruit juice. The better class of soft drink manufacturers and the fruit growers have long been seeking for such a law to protect them against unscrupulous competition which was disgusting the public and cutting down demand for the genuine product.

As an expression of appreciation to the senators and representatives for having passed the foregoing bill, bottles of grape juice and ginger ale were distributed to all the law-makers last Thursday afternoon. Whether this should be called lobbying or advertising is probably a matter of opinion. Anyway, the solons drained the bottles and seemed to like it.

From the standpoint of rural education probably the most important bill passed by the recent Legislature was the Turner bill which, in its final form, provided for the distribution of \$1,000,000 of state funds annually among the more needy school districts of the state. The House passed this bill several weeks ago, but it has appeared that there was small hopes that it would receive the approval of the Senate. However, on the final roll call in that body it received but five opposing votes.

EUROPE TO BE AGRICULTURALLY SELF-SUPPORTING.

THE movement among European nations to become self-supporting from a food production standpoint, is steadily progressing. This is indicated by the vast increase in exports of American agricultural implements and machinery to Europe. The total value of farming implements exported in March was \$8,743,621, compared with \$7,913,236 in March last year, according to the department of Commerce.

PLAN UNIFIED AGRICULTURAL PROGRAM.

A CONFERENCE of the executive heads of the National Grange, National Farmers' Union and American Farm Bureau Federation will be held in Washington in September or October, the object of which is the development of a unified agricultural legislative program. These are the national dues-paying farmers' organizations that voice the sentiment of organized agriculture. Together they cover practically the entire country. They represent a membership of between 2,000,000 and 3,000,000 farmers.

HOME CONVENIENCES COME SLOW.

A SURVEY conducted by the General Federation of Women's Clubs shows that, while farmers are purchasing many automobiles and radio outfits, and many have installed telephones in their homes, they are slow to acquire modern equipment, designed to save labor for the housewife.

In its campaign for better-equipped homes, the federation addressed letters to 40,000 farm women in forty-six states. The replies indicate that more than 20,000 of the 40,000 farm women are carrying water for household needs from wells or springs a considerable distance from the kitchen. Less than one-third had running or pumped water at kitchen sinks.

WOULD EXPAND SCOPE OF FARMERS' PILGRIMAGE.

THE delegation of American Dairy Federation members who came on the annual dairy pilgrimage to Washington were highly pleased with the success of the undertaking. They considered the personal contact with the bureau of dairy industry and bureau of agricultural economics in the department of agriculture and the bureau of foreign and domestic commerce in the department of commerce, gained on this trip as especially helpful. They were unanimous in the opinion that plans should be made for another visit to Washington next year, with a larger group in attendance. Secretary A. M. Loomis, of Washington, was given credit for much of the success of the event.

There is a feeling prevalent that the farm organizations of various kinds, such as the State Fruit Growers' Associations, State Dairymen's Associations, Vegetable Growers' Associations, State Bee Keepers' Association, and other groups of farmers would profit greatly by making a pilgrimage to Washington and getting first-hand contact with the government departments and bureaus that have anything to do with their special branch of farm production.

Since radio telephone operation between the United States and England is proving successful, plans are being developed to extend similar communication between South America and the United States.

It is now practicable to send U. S. weather maps to ships at sea by radio. Experimental work between the naval broadcasting station at Arlington and the warships has proven this.



How far will your car go before the miles begin to tell?

If you buy a new car every 10,000 miles or so, almost any car will give you satisfactory results.

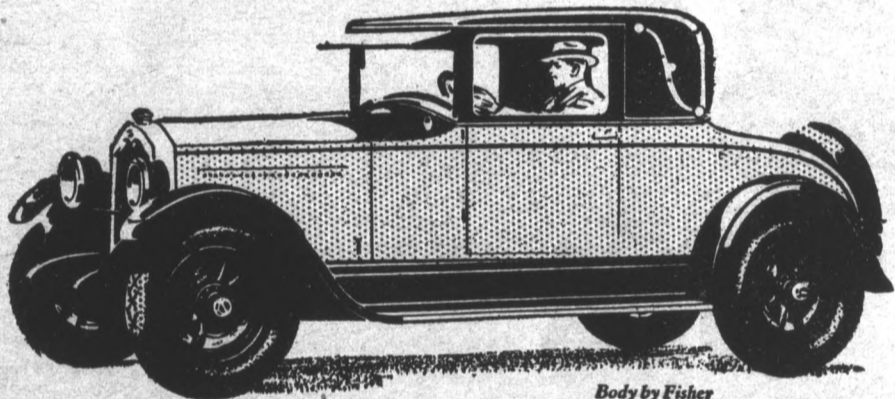
But if you want the same fine service on through the second, third and the many following tens of thousands of miles, buy a Buick!

Accurate tests at the great Proving Ground of General Motors, where all cars are driven and examined, show Buick's sturdy structure and powerful Valve-in-Head Engine still gaining in efficiency at the point in miles where other cars are distinctly on the down grade.

The unremitting care in Buick design, the constant tests at the Proving Ground, the unceasing quest for better performance—these are responsible for Buick's superior efficiency.

Savings resulting from enormous volume production make possible this extensive research as well as the superior construction for which Buick is internationally famous. Buick cars are built for greater satisfaction to their owners.

Buy a Buick for years of exceptional service.



Body by Fisher

COUPES
\$1195 TO \$1925

All prices are f. o. b. Flint, Mich., government tax to be added. Buick delivered prices are lower because the smallest possible handling charge has been established by the Buick factory.

The G. M. A. C. financing plan, the most desirable, is also available.

The model shown is the Two-Passenger Coupe, Series 115, \$1195.

BUICK MOTOR COMPANY, FLINT, MICHIGAN

Division of General Motors Corporation

Canadian Factories: McLAUGHLIN-BUICK, Oshawa, Ontario

WHEN BETTER AUTOMOBILES ARE BUILT, BUICK WILL BUILD THEM

You choose blooded stock by name.
That is the safe way to get quality.

CRANE

VALVES · FITTINGS
PLUMBING FIXTURES · WATER
SYSTEMS AND SOFTENERS

Backed by a 72-year name and
by a responsible dealer near you

BIG ALMANAC · 10¢
WORTH \$5. CONTENTS—BEST FISHING-DAYS, BEST BAIT, HOW TO PLANT BY THE MOON, WEATHER FORECAST, HOW TO MAKE MEDICINE FROM ROOTS AND HERBS, HERBALIST P.O. BOX 5 HAMMOND, IND.

EDWARDS METAL ROOFING
Biggest Values
Lowest Prices

Write for our money-saving offer on "REG" Cluster Shingles, V-Crimp, Corrugated, Standing Seam, Painted or Galvanized Roofings, Sidings, Ceilings, Wallboard, Paints, Ready-Made Fire-Proof Garages, Farm Buildings, etc. Permanent, easy to install, economical.
BUY DIRECT AT FACTORY PRICES
We own our own sheet mills and manufacture the finished product. Not a dollar to divide with anybody. Edwards Roofs are weather-proof, lightning-proof, fire-proof. Outlast three ordinary roofs, bringing big saving in cost.
Write today! Get our low prices and free samples. Save money, get better quality, lasting satisfaction. Ask for Roofing Book No. 107 or for Garage Book.
FREE SAMPLES & Roofing Book
THE EDWARDS MFG. CO.
617-667 Butler St., Cincinnati, Ohio

Better

For Cars, Tractors
Trucks and
Stationary Engines

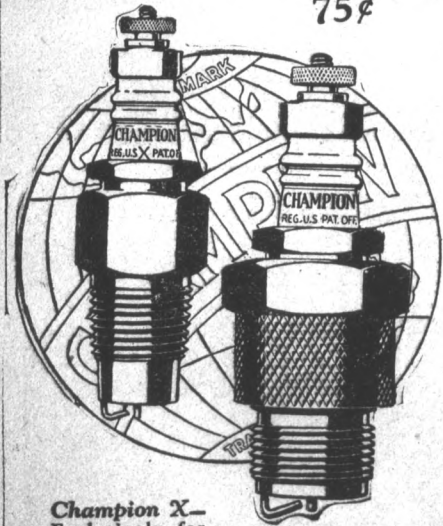
On two out of three farms you will find Champions the choice for better performance in tractors, trucks, stationary engines and all other engine-driven farm equipment.

This preference for Champions on the farm duplicates the world-wide preference for Champions among millions of motorists—further emphasizing the fact that Champion is the better spark plug.

Car manufacturers recommend, and hundreds of thousands of motorists are changing spark plugs every 10,000 miles to insure better and more economical car operation. This is true, even of Champions, in spite of their world-wide reputation for remarkable long life.

Champion—
for trucks, tractors and
cars other than Fords—
and for all stationary
engines—packed in the
Blue Box

75¢



Champion X—
Exclusively for
Ford cars, trucks
and tractors—
packed in the
Red Box

60¢

CHAMPION
Spark Plugs
TOLLEDO, OHIO

Approved Farm Home Yards

Suggestions on Scoring the Grounds of Michigan
Approved Farm Homes

THE following suggestions and score card are a part of the plans worked out by the Landscape Gardening Department of the Michigan State College for the Michigan Approved Farm Homes Contest, announced in our issue of May 7. Those interested in the improvement of their home and grounds should save that issue and this one for future reference. In the May 7 issue appeared score cards for the "Farm House" and for the "Home Furniture and Furnishings," together with explanatory matter on both, and also directions on how nominations may be made for this contest.

Below is the score card on farm home planting, and matter indicating how trees, shrubs, flowers and lawns may be used to make the farm home more attractive. Later this material, and that previously published, will be assembled in bulletin form. It is to be hoped that in Michigan a continuously increasing number of farm homes may be located that will qualify in this contest.

I. Trees—40 Points.

Trees should frame the house from the front, or the most important viewpoint. They are also used for screens, shelter, and shade.

Never plant trees in straight rows, except along the highway, and then not directly in front of the house. They may be planted in groups or individually. Each tree should be allowed plenty of space.

It is best to use the hardy, native desirable trees, such as the hard maple, elm, and oaks, rather than the poplar, box elder, and catalpa.

II. Shrubs—40 Points.

More than one kind of shrub should make up the shrubbery plantings about the house. All shrubs should be planted at least two feet from the foundation, not too close together, and generally the taller shrubs are planted at the corners. The height of the shrubs used depends upon the height of the house, porch railing, and windows. It is preferable not to have a continuous planting about the buildings.

Score off a proportionate number of points where plantings have been made in the front lawn, or where they hide a beautiful vista. Give credit for plantings about boundary, in the curve of the walk or driveway, and where they hide objectionable out-buildings.

A variety of shrubs should be planted, eight different kinds being enough for most places. Fine-leaved, graceful shrubs should be planted near the house. Coarser, upright, larger shrubs should be used for more distant plantings. A variety should include those shrubs blooming early and late, and those having attractive winter characteristics that make them desirable, such as red berries, red or yellow stems, and the like.

III. Flowers—Perennials—20 Points.

Flower plantings should be arranged so that they have a background of other green growth. Plant them in front of shrub groups at the side or rear of the house, with the taller varieties in the rear.

A variety of flowers insure a long blooming season. Repeat groups or masses of the same kinds that their beauty may typify the grounds.

If a good selection of annuals has been made, and no perennials grown, greater credit can be given to the annuals. On the other hand, more than ten points may be given perennials if the variety is such as to take the place of annuals. The planting of hardy perennials should be encouraged.

IV. Lawn—50 Points.

The lawn should gracefully slope away from the buildings and should be smooth unless the topography of

the whole area is very irregular. The growth on the lawn should be thick and even, preferably of one kind of lawn grass. The grass should be mowed at regular intervals and never allowed to get over four inches tall, even though mowed with horse mower.

The lawn should be divided into front and rear lawn with proper driveway entrance. Generally an open, unbroken, expansive lawn area is desirable.

V. Maintenance—40 Points.

The plants and lawn area are living, growing things which require some attention from time to time through the growing season. The degree to which the grounds have been properly kept up furnishes the basis for scoring.

Score Card for Farm Home Grounds.

I. Trees—40 Points.	
1. Arrangement.....	18
2. Kinds.....	18
3. Condition.....	4
II. Shrubs—40 Points.	
1. Arrangement.....	18
2. Kinds.....	18
3. Condition.....	4
III. Perennials—20 Points.	
1. Arrangement.....	8
2. Kinds.....	8
3. Condition.....	4
IV. Annuals—10 Points.	
1. Arrangement and kinds.....	8
2. Condition.....	2
V. Lawns—50 Points.	
1. Composition.....	20
2. Condition.....	20
3. Grade.....	10
VI. Maintenance.....	
	40
Total.....	200

ORCHARD CULTIVATION.

MOST orchardists are men of keen judgment and discernment. It is significant that as a class, orchardists are quite strongly in favor of the use of mechanical power. There is no question in their minds but what mechanical power may be used economically and effectively in fruit production on a small or large scale.

Some of the advantages claimed for the tractor in the orchard are as follows:

It will get closer to the trees without injury.

It will not bite the ends of the limbs or knock off the fruit.

It will turn in a short radius.

It can be guided with exactness.

It will pull heavier tools and cut deeper.

It will readily pull a subsoiler to break the plowpan caused by shallow tillage or the hardpan laid down by nature.

It will get over the ground faster, thus conserving time and labor.

It can be worked longer hours and in emergencies can be used day and night.

Tractors are widely used in orchard operations for plowing, discing and operating spike-tooth and chisel harrows, in preparing the seed bed for the cover crop, in drilling or broadcasting the seed, and in turning under the cover crop. It is also used in subsoiling, in spraying and in pulling out and sawing up old trees.

Uncle Sidney says you should always start weeding and cultivating a garden before it looks like it needed it. When the garden weeds begin to look real prominent it means that the plants have already suffered, no matter how soon you kill the weeds.

A new cure for sleeping sickness has been reported by the Pasteur Institute.



Fleming's Guaranteed Remedies

Neglect to treat a sick animal properly and serious results follow. When the first sign of sickness comes among your stock—treat it. You can keep your stock well and full of vitality if you use Fleming's Guaranteed Remedies.

Money Back If They Fall

Most diseases of horses, cattle and hogs are successfully treated. In use for over 30 years. No experience necessary. Directions are complete and easy to follow. Fleming's Remedies

Cost Little But Get Big Results

Fistula and Poll Evil—10,000 cases successfully treated each year with Fleming's **Fistuliform**. Send \$2.50 for a bottle, postpaid.

Bone Spavin—No matter how old the case or how lame the horse, use Fleming's **Spavin and Ringbone Paste**. One application usually enough. \$2 a bottle postpaid.

Lump Jaw—The farmer's old reliable treatment for Lump Jaw in cattle. Fleming's **Actinoform** \$2.50 a bottle postpaid.

Heaves—Cure the heaves and you have a horse worth its full value in work or in money. Use Fleming's **Tonic Heave Powders**. \$1.00 per package postpaid.

Fleming's Guaranteed Remedies

ACTINOFORM—Lump Jaw.....	\$2.50
FISTULIFORM—Fistula, Poll Evil.....	\$2.50
SPAVIN AND RINGBONE PASTE—Bone Spavin, Ringbone, Sidebone.....	\$2.00
SPAVIN LIQUID—Bog Spavin, Curb, Splints.....	\$2.00
LINIMENT—Sprains, Strains, Soreness.....	\$1.00
TONIC HEAVE POWDERS—Heaves, Blood Disorders, Indigestion, etc.....	\$1.00
SWEETENED BLISTER—Hip Sweeney, Shoulder Sweeney.....	\$1.00
COLIC MIXTURE—Spasmodic and Flatulent Colic.....	\$1.00
WART REMOVER—Flat, Blood & Seed Warts.....	\$1.00
EYE LOTION—All Eye Inflammations.....	.50
HORNSTOP—Stops Horn Growth in Calves and Kids.....	.50
GALLOFORM—Gaits, Ulcers, Sores.....	.50
HEALING OIL—Abrasions, Wire Cuts, Wounds.....	.50
HOG WORM CAPSULES—Sure, Safe—per 100.....	\$4.00
CHICKEN LICE POWDER—2 1/2 Lbs.....	.35
" " " " 5 Lbs.....	\$1.40

ASK YOUR NEIGHBOR OR YOUR BANKER about us. Men in your neighborhood know FLEMING'S—and can tell you how good Fleming's preparations are.

Free Book & Veterinary Advice

198 pages on livestock disease treatments. Easy to understand. Nearly million mailed. Save money, get one—mailed FREE on request. Fleming's veterinarians are at your service. Write us details. Full treatment outlined on any case. We ship promptly and prepay postage. Order NOW, or write for advice and FREE book.

FLEMING BROS. 106 Union Stock Yards, CHICAGO

SELL your poultry, baby chicks, hatching eggs and real estate through a Michigan Farmer classified advertisement.

THE twice-a-day clean-up loses its terrors for owners of the United States Cream Separator. All the discs of the perfected self-adjusting disc bowl slide onto and off the patented Disc Transfer for as quick, easy washing as though one piece.

This important feature, plus marvelous ease of turning and close skimming bring you a twice-a-day pleasure and pride in United States ownership.

Seven sizes—the larger sizes with motor or gas engine attachments. Complete separators or repair parts shipped from eight warehouses.

Vermont Machine Co., Inc.
Bellows Falls, Vt.
AGENTS: Some desirable territories open for live user-agents. Write for plan.

UNITED STATES

WHEN NITRATE OF SODA HELPS.

IN the garden, nitrate of soda will prove worth many times its cost when used to give plants a quick start. I think it seldom proves profitable on fairly good soils after warm weather brings soil bacteria into action. Some advise watering the row over the freshly sown seeds, with water in which a tablespoonful to the gallon has been dissolved. This compacts the soil over the seeds and puts immediately available nitrates within reach of the first roots. If done the stream should not be wide, and should have a thin covering of dry soil over it, taking care not to cover the seeds too deep. Another plan is to dust a strip an inch or two wide about an inch out from the plants and stir into the surface as soon as the little plants appear. The value of both is in giving the plants a supply of available nitrates, which are so easily removed by fall and early spring, that the supply is very limited.—L. H. C.

SELLS HOUSE PLANTS.

ONE lady living near a small town raises geraniums and other house plants, including ferns, begonias of many kinds, cacti and, in fact, all of the common house plants, which she sells to those wishing a potted plant for any occasion. Many people buy a nice plant as a gift of a sick friend, or bunches of blooms are often bought by the different ladies' societies to present to the sick. As our town has no greenhouse, this makes it easier than sending out for flowers. She sells to the local gas and oil station managers. These flowers are set out for decorative purposes and are used in window boxes. She gets from forty to fifty cents per plant for geraniums.

A nice, sunny southern room, with plenty of sunlight, is used for growing these plants, and besides being a delight to the grower, they furnish many a cheery message to the sick.—Fern Berry.

GRAPE ROT PREVENTION.

I HAVE seen scores of farmers who complain of their grapes rotting on the vines, pass under their grape arbors a dozen times a day with spray materials and spraying apparatus for use on potatoes, but never thinking to use them on the grapes to prevent rotting," said a plant disease specialist recently. "It would be a matter of only a few minutes time, and little expense, to turn that spray on the grapes right now, and repeat the operation in two weeks, if the farmer would only think of it. The grape mildews will get in their work from now on, and applications of 4-3-50 Bordeaux mixture will do a great deal to cut down losses from rot. All clusters should be well drenched."

ONION MAGGOT.

I have always been bothered with onion maggots. Is there any control for same?—C. H.

The onion maggot is the larvae of a small fly which lays its eggs on the plants near the base. As the maggot lives on the inside of the onion it cannot be poisoned by spraying. A poisoned bait to attract and kill the flies before the eggs are laid, is recommended. The bait is made as follows: Sodium arsenite, one-fifth ounce; water, one gallon; cheap molasses, one pint.

Dissolve the sodium arsenite in boiling water and add the molasses. This may be distributed around the field in small pans. About fifteen per acre. The liquid should be renewed after heavy rains and when dried out.

It is advisable to place a screen over each pan—large enough to let the fly enter, but small enough to exclude bees.—G. E. Starr.

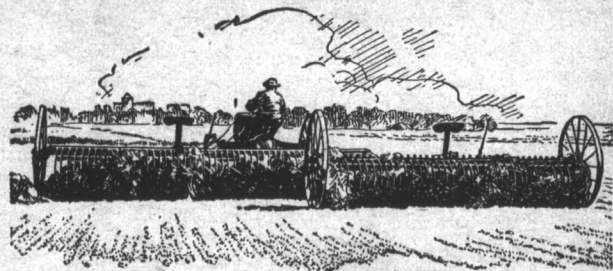


AT LEFT: Mowing and raking alfalfa in one operation with the Farmall, 7-ft. Farmall mower, and combined side rake and tedder. An ideal combination for speeding up operations and improving hay quality.

Modern Haying Calls for McCORMICK-DEERING Power & Hay Tools

THE McCormick-Deering dealer has much to offer you in hay tools and haying methods that turn alfalfa and grass into the greatest profit in the least time. He can show you the new Farmall and the full line of McCormick-Deering Hay Tools that work with it. Or he can show you an equally complete line of horse-drawn tools.

Think of the speed with which the Farmall operator above is turning alfalfa into crisp, air-dried hay. Once over the field and the hay is ready



BELOW: Raking over 100 acres of hay a day. The rakes are dumped by trip ropes. This outfit is used on large acreages and is considered the most economical way of raking hay.

for the mow or stack. That's new haying efficiency.

The same speed and efficiency applies to every operation, whether you favor self-dump rakes, combined side rakes and tedders, or sweep rakes. Mowing, raking, stacking—all are speeded up, resulting in money-saving labor economies and hay that tops the list in feeding and market value. We assure you that your local McCormick-Deering dealer can offer you equipment that will completely satisfy you, whether you operate your farm with horses or power.

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

93 Branch Houses in the U. S.; the following in Michigan Farmer territory—
Detroit, Grand Rapids, Green Bay, Jackson, Saginaw

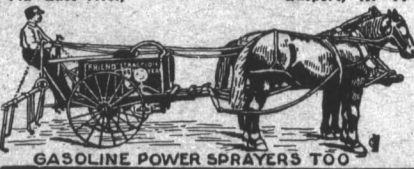
McCORMICK - DEERING Hay Tools



With a McCormick-Deering Tractor or Farmall hooked to the rack wagon and loader, the hay passes from windrow or swath to the load in quick time. The steady forward speed, up hill or down, is a great aid to the man on the load.

SPRAY POTATOES USING 300 LBS. PRESSURE

Spraying four rows at a time with 3 spray nozzles to each row, with a "Friend" Traction Sprayer—one that draws so easy that four men can develop 250 lbs. pressure with it. Full operating pressure is developed within 15 feet of starting point.
Has many exclusive features, no gears, chains or sprockets to cause trouble. Quadruplex Pump.
"FRIEND" MANUFACTURING Co.
142 East Ave., Gasport, N. Y.



GASOLINE POWER SPRAYERS TOO

STANDARD GARDEN TRACTOR

A Powerful All-round Tractor for Small Farms, Gardeners, Florists, Truckers, Nurseries, Estates, Fruit Growers, Suburbanites, and Poultrymen.
DOES 4 MEN'S WORK
Handles Field Work, Dusting Outfit, Belt Machinery & Lawnmower. Catalog Free.
STANDARD ENGINE COMPANY
3771 Como Ave. S. E., Minneapolis, Minn.
Eastern Sales Branch—145 Cedar Street, New York

WANTED
Shippers of Frogs' Legs
Highest market prices paid. Write or wire
WM. L. BENJAMIN
Wholesale Meats, 2472 Riopelle St., Detroit.
Phone, Cherry 2757, Cherry 1908. Season Opens June 1st

300 STRAWBERRY PLANTS \$2 POST PAID

150 Sen. Dunlap, 150 Warfield—PAID
Hampton & Son, R. 3, Bangor, Mich.

LILLIE'S IMPROVED STRANSKY VAPORIZER

Introduces air and water-vapor into the manifold (principle of the renowned Diesel engine). Increases power, saves gas, removes and prevents formation of carbon. Fits any car, truck or tractor. Full instructions. You would not believe me if I told you of the increased mileage on my own car—you must be satisfied or money back. Price by mail \$3.50.
COLON C. LILLIE, Coopersville, Mich.

BEE HIVES

Section boxes, Comb foundation, Smokers, etc. A. I. Root Co. goods in Michigan. Beginner's Outfits, or equipment for bees you now have. Send for catalog.

Berry Baskets

Strictly high grade basswood quarts, kept white and clean in heavy cartons of 500 each. Special prices in lots of 10,000 to a carload on early orders. Farm Bureaus, Cleaners, Granges, and groups write us at once. Your combined order wanted.
M. H. Hunt & Son, Lansing, Mich., Box 525

Apollo
Roofing Products
Metal makes the safest and most satisfactory roofing for farm buildings or city properties.
APOLLO-KEYSTONE Copper Steel Rust-resisting Galvanized Sheets are unexcelled for Culverts, Tanks, Silos, Roofing, Spouting, and all exposed sheet metal work. Metal roofs give greatest protection from fire, lightning, and all conditions of weather. Look for the Keystone included in brand. Sold by leading dealers. Keystone Quality is also superior for Roofing Tin Plates for residences. Send for free "Better Buildings" booklet.
AMERICAN SHEET AND TIN PLATE COMPANY, Pittsburgh, Pa.

For Barn Sanitation Agricultural Gypsum

It keeps down flies and odors in barns, poultry houses and other buildings. Increases value of manure. Adds lime and sulphur to the soil. Many other uses. 100-lb. bags, freight prepaid, only \$1.50. Special price carload lots. Write for valuable free book.
The American Gypsum Company
Dept. C Port Clinton, Ohio

Greater } Performance
Roominess
Long Life

Prove **CHRYSLER "50"**

Greater Value

In its truly extraordinary results Walter P. Chrysler and his corps of engineers gave the public something immediate, something convincing, something final and conclusive with which to measure Chrysler "50" against and above anything around its class—either in six or four cylinders.

50 and more miles an hour.
5 to 25 miles in 8 seconds.
25 miles to the gallon.
Full-sized with ample seating capacity for all passengers.
Mohair plush upholstery.
Chrysler smartness and beauty.

From its very introduction Chrysler "50" has won overwhelming public acceptance for what it was designed and built to be—the giant of its class in Standardized Quality, outstanding performance, full family size, complete appointment and every essential that makes for indisputable value.

Coupe, (Genuine-leather upholstery) \$750; Coach, \$780; Roadster, (with rumble seat) \$795; Sedan, \$830; Landau Sedan, \$885; f. o. b. Detroit, subject to current Federal excise tax.

Chrysler dealers are in a position to extend the convenience of time payments. Ask about Chrysler's attractive plan.

All Chrysler cars are protected against theft under the Fedco System of numbering.



CHRYSLER MODEL NUMBERS MEAN MILES PER HOUR

WOOL Blankets, Batting

Send us your wool and we will make it into warm fluffy batts, or beautiful serviceable blankets. We sell direct. Write today for samples and descriptive folder. WEST UNITY WOOLEN MILLS, 108 Lynn St., WEST UNITY, OHIO.

Try a Michigan Farmer Liner

BINDER TWINE

In five or eight-pound balls and as low as 11½ cents per pound in quantities. Best quality and satisfaction guaranteed. Farmer agents wanted. Write for sample and circular.

Theo Burt & Sons, Box 175, Melrose, Ohio

LEADCLAD FARM FENCE

Put Up One Fence--Save the Cost of Two

Whether you plan on putting fifty dollars or one hundred and fifty dollars into a new fence you'll make your money go three times farther by purchasing Leadclad Fence.

The kind of coating on the fence you buy will actually determine whether you buy one or three fences during the next ten or twenty years.

The thick, pliable coating of pure lead on Leadclad Fence keeps rust away many years longer than the coating on ordinary fence.

No matter whether you live where the life of a fence is long or short, Leadclad Fence will give you triple the service of ordinary fence.

When you buy Leadclad Fence you buy the equal of three ordinary fences—you actually get two fences for nothing.

Our big, new Leadclad catalog tells you how you can start at once to save money on fence, roofing and eaves trough.

It's free—send for it.

LEADCLAD WIRE COMPANY 1211 PLAINFIELD AVENUE MOUNDSVILLE, W. VA.

"Leadclad Fences Make Good Neighbors"

HONEY BRINGS IN EXTRA MONEY.

(Continued from page 665).

Miss Kelley places them in a frame of brood, honey and bees, and gives them an extra frame, which she places in a small hive.

She allows the queens to hatch and mate, and then sells the embryo-colonies at from \$2.00 to \$3.00 each. She has always had a strong home demand for them. Her second year she had four stands, which yielded over 200 pounds of honey. That summer she paid for her original start, and bought a good bunch of supplies.

Miss Kelley has no trouble in disposing of her whole supply. Her profits in one season, she told me, amounted to over \$700.

Miss Kelley says it pays her best to run the hives for extracted honey, since it saves the bees so much labor and honey in the production of wax. It takes the labor of producing several pounds of honey to produce one pound of wax. She gives her bees large drawn-out combs, into which they deposit the honey. When it is ripened and sealed it is taken out, uncapped with a sharp knife, put into an extractor and the honey is thrown out and the combs, intact, are returned to

the bees, who then immediately begin to refill them.

The day when Miss Kelley extracts the honey is looked forward to with much pleasure, as her girl and boy friends are usually invited to the apiary to see the honey flow from the spigot. Incidentally, they receive a good lesson in bee-lore, and as a memento each carries home a jar of delicious honey. She has extracted 200 pounds of honey in one day.

Miss Kelley was asked about the sting of bees, and she says it is about like a pin-prick, swift and sharp, and leaves no ill effects when one has become inoculated with enough poison to become practically immune.

She takes the precaution, however, of protecting her face with a veil, and her wrists with sleeves over which rubber bands are drawn, to prevent the bees from crawling up her arms.

Miss Kelley said: "From my own experience with bees I am fully convinced that there are lots of girls seeking jobs in stuffy offices that would have better pay and easier work with bees."—R. B. Rushing.

News of the Week

Governor-General Wood, of the Philippines, has announced that the government would withdraw from all commercial business in the Philippines and would sell to the highest bidder, enterprises amounting to \$50,000,000.

The population of Canada, as of June, 1926, is 9,839,300, according to government figures. This shows an increase of 600,807 in six years.

A strict censorship is being maintained on all cablegrams sent in or out of Mexico, to prevent Mexican rebels from communicating with the outside.

Miss Ernestina Calles, daughter of President Calles, of Mexico, was married to Thomas Arnold Robinson, a New York business man, who was born in Alma, Mich. They were married May 15 at Nogales, Mexico.

The Russian Soviet delegation at the Geneva international economic conference is advocating the abolishment of arms and war debts.

The floods in the south may cause reservoirs to be built in the middle west to hold flood waters in the future, which could be used to irrigate 200,000,000 acres of arid lands.

A tornado which swept from the Rocky Mountains to the Great Lakes, May 10, caused the death of over 250 and injury to more than 500. Property damage exceeds \$3,000,000. Missouri and Texas were the most seriously hit.

William and James Clark, seventy-five-year-old bachelor twins, are among the oldest pioneer farmers in Ottawa county.

Capt. Charles Nungesser and Capt. Coli, French aviators, started from Paris on a flight to New York, May 9, and were sighted near this side, but were thirty-six hours overdue and cannot be found.

There is resentment in Paris over the French aviators' failure to cross the Atlantic because, it is believed by the French, that the U. S. weather bureau gave a false weather report.

People in Boston who patronize Chinese laundries found pamphlets with their laundry, explaining the Cantonese nationalistic movement in China.

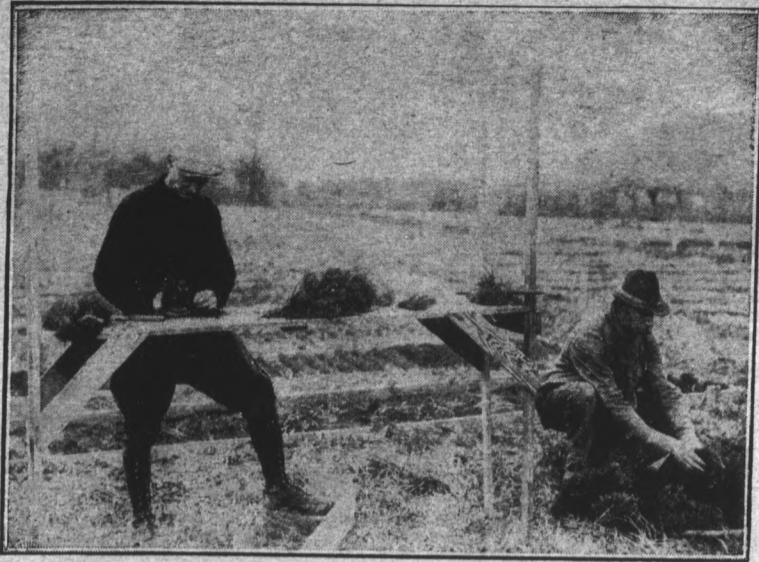
Two hundred and fifty mill workers went on strike in Chicago, causing the closing of fifty mill-work plants.

More than seventy thousand people were in Benton Harbor to attend the blossom festival parade, on Tuesday, May 3, which had more than one hundred floats in line. The governor and wife, and sixty legislators, were present at the governor's ball, which was held Tuesday night. Miss Violet Peters was Blossom Queen in the parade and at the ball. The parade was headed by the Michigan State College band.

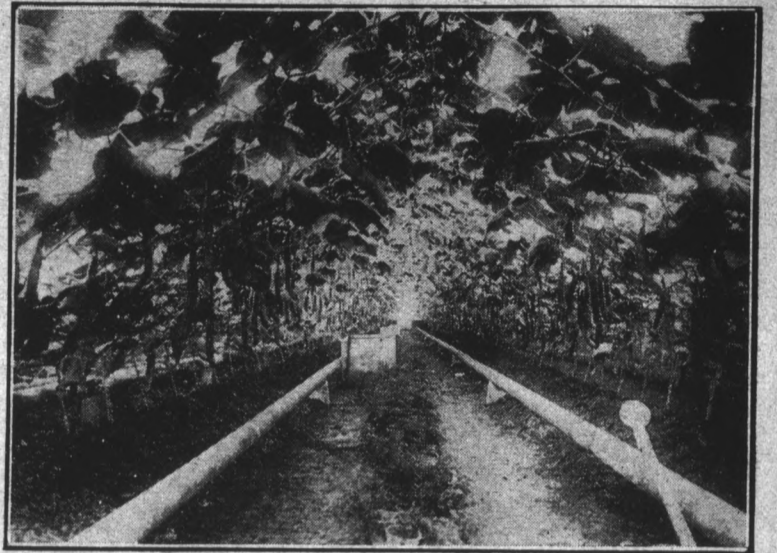
The national W. C. T. U. is making efforts to frustrate Governor Smith's, (of New York), campaign for president, because of his liberal liquor attitude.

Returns from questionnaires sent out by the federal radio commission show that one out of every four farms in Michigan has a radio. There are a total of 43,668 radios in use in rural Michigan. This is an increase of 135 per cent over last year, as compared to a 126 per cent increase for the country as a whole.

WORLD EVENTS IN PICTURES



The largest timber owners in the northwest are following the plan of replacing with fir seed every tree they cut down—in years to come a forest will spring up where one is now being used.



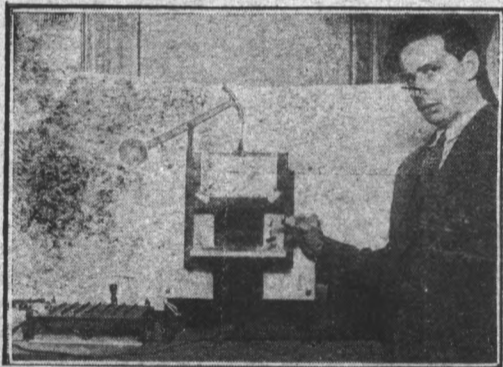
Artificial springs are used for the irrigation of these gigantic cucumbers. They grow in a central heated hothouse in Brandenburg, Germany.



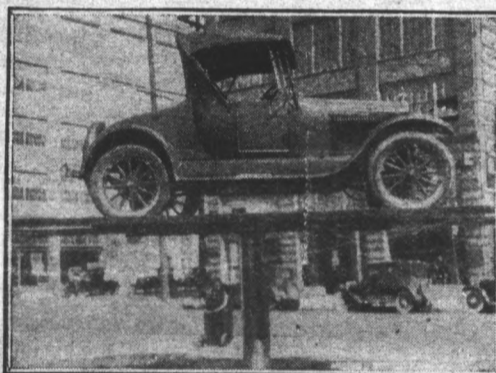
Thirty-five persons were killed and hundreds injured when whole towns through Illinois were razed by cyclones. The storm seemed to travel in two great converging lanes.



With the arrival from Shanghai of Admiral William H. G. Bullard, chairman, the new Federal Radio Commission recently met with a full membership for the first time.



The effect of heat on five different shades of hair, coarse to fine, has been tested by the U. S. Bureau of Standards.



This hydraulic hoist takes place of old-fashioned drive when greasing and oiling cars. It works like the hydraulic elevator.



It's not a prehistoric tusk, but a record squash, 52 inches long, and 16 inches in circumference, raised in Pennsylvania.



The native witch doctor of Serowe, South Africa, is supposed to frighten away evil spirits.



The oldest and most southwestern lighthouse in southern California, is located on Point Loma. Its last light died a half century ago, but a caretaker explains its ancient history to visitors.



Third Regiment of U. S. Marines departing for China on board S. S. President Grant.

INTRODUCING CANADA THISTLE

— HE HAS A VERY MEAN SUBWAY SYSTEM. — IT RUNS EVERYWHERE. IT EVEN RUNS GOOD FARMS ONTO THE ROCKS IF IT GETS A GOOD START



OUCH!

HA HA HA!
HA HA HA!

ON MANY FARMS HE'S AN OLD FRIEND (?) — AND NEEDS NO INTRODUCTION.

KEEP THISTLES CUT OFF WITH A HOE ALL YEAR AND THEY'LL BOTHER NO MORE.



NOW—WHO'S LAFFIN?

AN EASIER AND MORE EFFECTIVE WAY IS TO SEED THE GROUND TO ALFALFA.

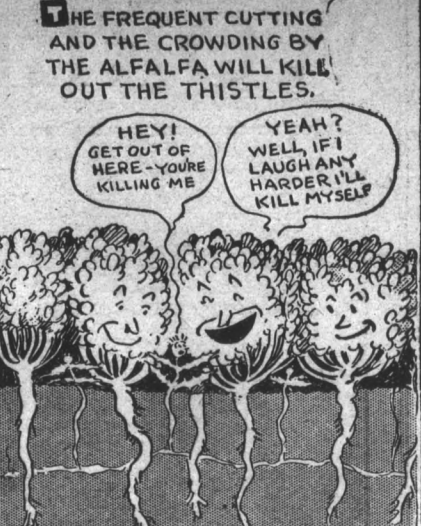
[WATCH THIS SPACE NEXT WEEK FOR DIRECTIONS FOR FALL SEEDING.]



AN' TO THINK SARAH WAS GOIN' T' THROW THIS OL' SOFY AWAY.

ARTIST'S NOTE: THE OLD SOFA IDEA IS NOT ESSENTIAL TO THE EXTERMINATION OF THISTLES—AN OL' BED WILL DO.

THE FREQUENT CUTTING AND THE CROWDING BY THE ALFALFA WILL KILL OUT THE THISTLES.



HEY! GET OUT OF HERE—YOU'RE KILLING ME

YEAH? WELL IF I LAUGH ANY HARDER I'LL KILL MYSELF

GATHERED in the little office of Boggs & Thurman, real estate agents who had sold them Lone Oak Farm, a place of mystery, the Brown family has listened to the strange story of Captain Pettibone. Descendant of land loving forbears he had chosen to follow the sea, but had returned in his old age to the ancestral home he had inherited. There he had been beset by robbers and had lived in fear.

"Who helped the old man and his servant fight the robbers off?" Father Brown put in as Boggs, continuing his tale of the attack, paused.

"Jack Miller," answered Mr. Boggs, "and he was as close-mouthed with the sheriff as he was here with you.

"But he did say," Boggs went on, "that there were three men, and we know there was shooting. We know, too, that Young Miller paid some of his father's debts with gold after that night, and again after the old Captain

Adventures of the Brown Family—By John Francis Case

Hal Finds a Secret Passage

passed on. Nobody was hurt so far as we know and the attack was not renewed."

"You say that Captain Pettibone forbade having the coffin opened?" Mother Brown inquired. "What proof have you that the man is really dead?"

"I saw his coffin lowered into the ground myself," answered Boggs solemnly, "and I saw Black Neb's grief."

"But after all, you have no proof," cut in Hal, sipping the purpose of his mother's inquiry. "If the old man is not dead the deed is no good and we are out our money. Who can prove to us that the undertaker and Jack Miller

were not bribed to make the old Captain's enemies believe he was dead, and that an empty coffin went in that grave?"

"The man was old," answered Mr. Boggs, "and of course he is dead. Here is the will and the deed. The dead do not return to demand their property. The land is fertile and you have three years more in which to pay the debt. Forget the mystery and remember only that you have a real bargain and soon will find friends." With old-fashioned courtesy, but evidently glad to bring the interview to an end, Boggs bowed them out.

"Gee," said Hal, as they climbed into the fivver and started back, "we know little more than we did before. But if that old coot is still alive and begins messin' 'round he'll wish he'd stayed away. We can fight pirates, too."

"Hoot owls and hogs," teased Beth. "But it is true that the more we hear the less we know. We'll have to find out things for ourselves. Well, we'll soon be in our new home."

Less imposing than when seen in the dim light, the House of the Lone Oak yet bulked big before its new owners as they approached. Everywhere there were evidences of neglect and decay which promised busy days for Father Brown and Hal. Needful of paint, its barred windows remindful of the menace which had confronted Captain Pettibone, the new home was repellent rather than inviting. Yet it was to be home to them and the magic word lingered upon the lips of Mother Brown as she passed within. Again Hal and Beth were exploring, their search showing great rooms above untenanted for years, black with dust and grime. Empty rooms give me the creeps," announced Beth, shuddering. "I'm going down with dad and mother, Hal. Have a look at the basement and see what you can find."

Dark and gloomy as some vast cavern, steel-barred windows allowing but little light, Hal's flashlight played over debris covered floor and thick walls of ancient masonry. Ranged along the wall were bins, some still containing vegetables. The light revealed footprints in the dust of the floor and suddenly Hal's keen eyes noted a stone displaced in the wall. Curiously he pried it loose, to disclose an opening, and Hal's shout brought Father Brown running to the stairway. A new element of mystery was revealed.



"Needful of Paint, its Barred Windows Remindful of the Menace Which had Confronted Captain Pettibone." Yet it Was Home.

A Healing Miracle

Our Weekly Sermon—By N. A. McCune

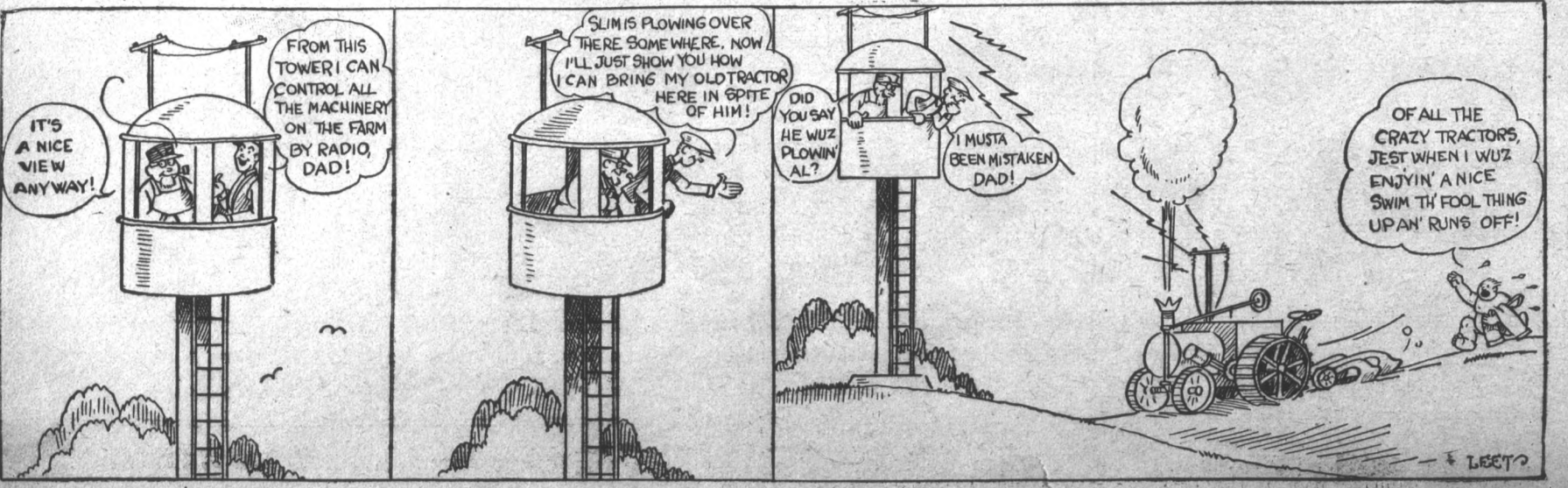
WE all love miracles. Just why seems a little obscure, unless it is that anything that seems to have the mark of the supernatural on it attracts human interest. No one could explain the cure of the lame man by Peter and John. No one can explain the cures that are said to have taken place by the spiritual influence of a French girl who died some thirty years ago—deadly diseases cured, people converted, money raised. Yet these things are attested by numerous witnesses, and are believed to be the

product of supernatural aid. For the most part, miracle-working passed away with the age of the apostles. I say for the most part, because an occasional instance can seemingly be explained only by reference to the supernatural. Perhaps it was the purpose of God to compel men to slowly work out their own salvation in material things. Hence the enormous advance in medicine and surgery, the gradual killing out of deadly contagious like diphtheria and typhoid. Take the

(Continued on page 679).

Activities of Al Acres—Al Will Have to Install His Radio Control on Slim Also.

Frank R. Leet.



Panel 1: A man in a radio tower says, "FROM THIS TOWER I CAN CONTROL ALL THE MACHINERY ON THE FARM BY RADIO, DAD!" A child replies, "IT'S A NICE VIEW ANYWAY!"

Panel 2: The man says, "SLIM IS PLOWING OVER THERE SOMEWHERE. NOW I'LL JUST SHOW YOU HOW I CAN BRING MY OLD TRACTOR HERE IN SPITE OF HIM!"

Panel 3: The man says, "DID YOU SAY HE WUZ PLOWIN' AL?" The child replies, "I MUSTA BEEN MISTAKEN DAD!"

Panel 4: The tractor is shown plowing a field. A speech bubble says, "OF ALL THE CRAZY TRACTORS, JEST WHEN I WUZ ENJYIN' A NICE SWIM TH' FOOL THING UPAN' RUNS OFF!"

Lead me to P. A. every time



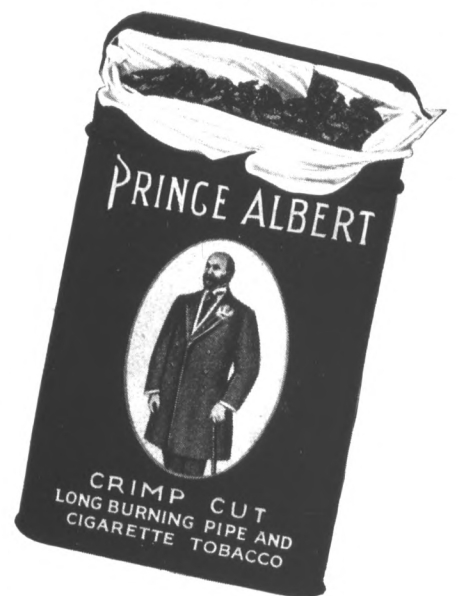
I KNOW what I like in a smoke, and what I like is Prince Albert! Why, the minute breakfast is over, I reach for my pipe and the well-known tidy red tin, and we're off . . . off on one of the grandest smoke-joy-rides a man ever took. It's like that all day long.

You understand my enthusiasm the instant you open a tin of Prince Albert and drink-in that wonderful P. A. aroma. You're reminded of a trek through the woods, when the dew is on the leaves and the sun is on the up. Fragrant promise of a glorious taste to come.

Then you load up and light up. You notice that the smoke is equally fragrant . . . fragrant and refreshing. It pours over your tongue in a cooling torrent that knows no bite or sting. Mild, too, with a mildness that says: "Come and get it." I'm talking about P. A.!

I have tried to give you a snapshot of the joys that await you in a pipe packed with Prince Albert. If the picture isn't clear, blame me. The complete story is in the tidy red tin at the nearest tobacconist. The only way you'll really know P. A. is to *smoke* it.

P. A. is sold everywhere in tidy red tins, pound and half-pound tin humidors, and pound crystal-glass humidors with sponge-moistener top. And always with every bit of bite and parch removed by the Prince Albert process.



PRINCE ALBERT

—no other tobacco is like it!

SHERWIN-WILLIAMS



There's a *joker* in the *cheap* paint can!

WHEN you are tempted by a "low price" and alluring promises to use "cheap" paint on your house—*STOP!* There's a joker in every can. It may *look* like paint. It may *smell* like paint. But before you buy remember this:

If the Sherwin-Williams Company with its years of experience—its skilled paint experts—its great laboratories—its enormous volume—cannot produce *high grade* house paint to sell at less than SWP prices—*no one in the world can do it.*

So whenever you see a "low price" on house paint you can decide that it is made of inferior or skimpy materials. And a *poor paint* is the most *costly* paint you can put on your house.

Let the "formula" prove it

There is one way to prove that a "low price" house paint is merely an inferior paint. Insist upon seeing the formula, either on the can or in the literature. Then com-

pare it with the formula of fine old SWP which you will always find openly printed on every can. Note the big percentage of *White Lead Carbonate* and *White Lead Sulphate* used in SWP Outside Gloss White. White lead should be the *basic* ingredient of all white paint and light tints. It is to these paints exactly what flour is to bread.

See how much less of this basic ingredient is used in the average "cheap" white paint.

Zinc oxide, another costly pigment, is the next essential ingredient. A liberal percentage of zinc oxide combined with a large amount of white lead makes for a *balanced formula*—such as the formula of SWP Outside Gloss White House Paint. It assures a finish of superior wearing quality.

More than 90% of the pigment content of SWP Outside Gloss White is made up of these two important ingredients—white lead and zinc oxide.

In the majority of "cheap" white paints you



THE FINEST HOUSE PAINT THAT MONEY CAN BUY

HOUSE PAINT

will find only 50%, sometimes even less.

It is the liberal quantity of this expensive basic material in every can of SWP Outside Gloss White that gives this fine old paint its remarkable covering capacity.

In the darker colors like browns and greens, the "balanced formula" of SWP is even more important.

Naturally, these dark colors can contain little, if any, opaque white pigment such as white lead or zinc oxide.

Sherwin-Williams have the pick of the world's colors. Sherwin-Williams Dry Color Works produce practically everything except the natural earth and mineral colors.

That is why beautiful SWP colors are so rich, so permanent and so true to character.

Greater durability of the paint film on your house is assured by SWP due to the use of a specially treated, pure linseed oil—made in Sherwin-Williams' own linseed oil plant.

Why SWP costs you less

One evidence of quality in a house paint is the way it *hides the surface* and in the *area it covers*.

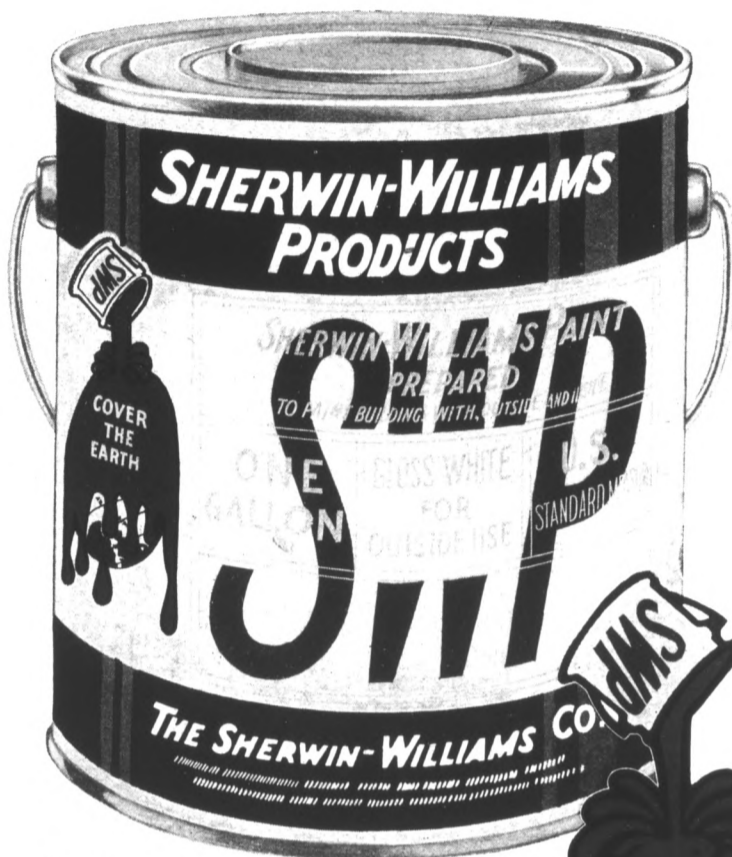
A gallon of fine old SWP will properly cover 360 square feet (two coats).

A gallon of "cheap" paint will cover *only 250 square feet* (two coats)—110 square feet (two coats) *less* than SWP House Paint.

That is one side of the joker in the "cheap" paint can.

Where only seven gallons of SWP will finish the average house, *eleven* gallons of "low price" paint are needed.

SWP costs more per gallon. But it covers *44 per cent more area*. So it costs no more than *cheap* paint by the job. Which would you rather use?



Prepared house paint—at its best

Being made of best quality materials, SWP dries to a tough, elastic, glossy finish.

There is no chipping, cracking or peeling. It weathers slowly. Lasts usually for five years.

When repainting is needed, you save paint, time and money *because the SWP surface is in proper condition*.

A "cheap" paint frequently chips, cracks, peels and fades in a year or so. It gives an inferior finish—and a much shorter life than good paint.

Repainting is more frequent and costs more for paint and labor because the old paint has to be burnt or scraped off.

That is the *other side of the joker* in the "cheap" paint can.

SWP beauty!

With fine old SWP you always get a beautiful paint job. Your house looks like

new. The colors are especially rich—with a sheen like fine old pottery. And they are weather-fast—slow to fade.

Even after several years of exposure, a washing with plain soap and water will bring out their beauty almost like new.

Contrast this with cheap colors that look dull and wishy-washy almost in no time.

Which would you rather have—when SWP is guaranteed to cost less per job and much less per year?

See "Paint Headquarters" and save money

These are facts which every property owner has a right to know about house paint. They are attested by a concern whose standing we do not believe any man would question. The simplest way to prove them is to make the comparison suggested.

SWP House Paint is sold the world over. Each Sherwin-Williams dealer is "Paint Headquarters"

in his vicinity. See the one near you. Before you let any low price blind your better judgment, get his advice. Compare formulas. Don't be fooled. If you want literature, color cards, help on a color scheme or the famous Household Painting Guide, write us.

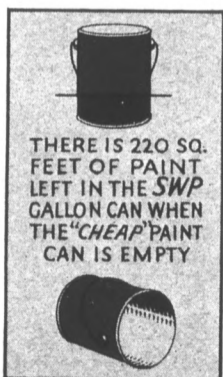
SWP

Guaranty of Satisfaction

SWP House Paint, when thoroughly stirred and applied according to directions, is hereby guaranteed to cover more surface, to look better, to last longer and cost less per job and per year than any house paint on the market.

THE SHERWIN-WILLIAMS CO.

Largest Paint and Varnish Makers in the World
CLEVELAND, OHIO



COSTS LESS PER SQ. FOOT . . . LESS PER YEAR . . . LESS PER JOB

COVER THE EARTH
SHERWIN-WILLIAMS
 COVER THE EARTH



There's a *joker*
 in the *cheap* paint can!

WHEN you are tempted by a "low price" and alluring promises to use "cheap" paint on your house—STOP! There's a joker in every can. It may look like paint. It may smell like paint. But before you buy remember this:

If the Sherwin-Williams Company with its years of experience—its skilled paint experts—its great laboratories—its enormous volume—cannot produce *high grade* house paint to sell at less than SWP prices—*no one in the world can do it.*

So whenever you see a "low price" on house paint you can decide that it is made of inferior or skimpy materials. And a *poor paint* is the most *costly* paint you can put on your house.

Let the "formula" prove it

There is one way to prove that a "low price" house paint is merely an inferior paint. Insist upon seeing the formula, either on the can or in the literature. Then com-

pare it with the formula of fine old SWP which you will always find openly printed on every can. Note the big percentage of *White Lead Carbonate* and *White Lead Sulphate* used in SWP Outside Gloss White. White lead should be the *basic* ingredient of all white paint and light tints. It is to these paints exactly what flour is to bread.

See how much less of this basic ingredient is used in the average "cheap" white paint.

Zinc oxide, another costly pigment, is the next essential ingredient. A liberal percentage of zinc oxide combined with a large amount of white lead makes for a *balanced formula*—such as the formula of SWP Outside Gloss White House Paint. It assures a finish of superior wearing quality.

More than 90% of the pigment content of SWP Outside Gloss White is made up of these two important ingredients—white lead and zinc oxide.

In the majority of "cheap" white paints you


SWP COVERS 360 SQ. FEET PER GALLON (2 COATS)

CHEAP PAINT COVERS ONLY 250 SQ. FEET PER GALLON (2 COATS)

THE FINEST HOUSE PAINT THAT MONEY CAN BUY



HOUSE PAINT



will find only 50%, sometimes even less.

It is the liberal quantity of this expensive basic material in every can of SWP Outside Gloss White that gives this fine old paint its remarkable covering capacity.

In the darker colors like browns and greens, the "balanced formula" of SWP is even more important.

Naturally, these dark colors can contain little, if any, opaque white pigment such as white lead or zinc oxide.

Sherwin-Williams have the pick of the world's colors. Sherwin-Williams Dry Color Works produce practically everything except the natural earth and mineral colors.

That is why beautiful SWP colors are so rich, so permanent and so true to character.

Greater durability of the paint film on your house is assured by SWP due to the use of a specially treated, pure linseed oil—made in Sherwin-Williams' own linseed oil plant.

Why SWP costs you less

One evidence of quality in a house paint is the way it *hides the surface* and in the *area it covers*.

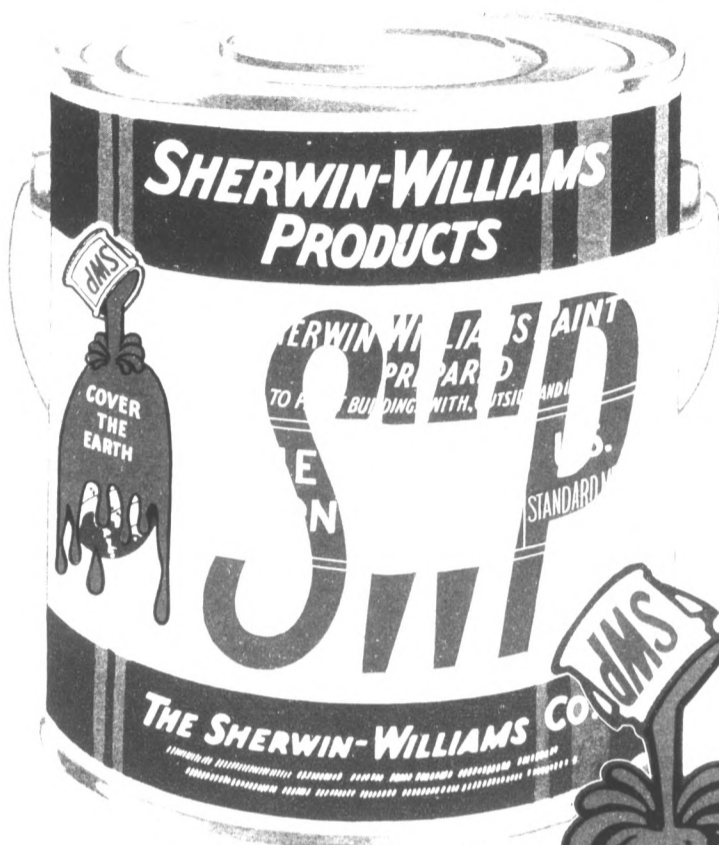
A gallon of fine old SWP will properly cover 360 square feet (two coats).

A gallon of "cheap" paint will cover *only 250 square feet* (two coats) — 110 square feet (two coats) *less* than SWP House Paint.

That is one side of the joker in the "cheap" paint can.

Where only seven gallons of SWP will finish the average house, *eleven* gallons of "low price" paint are needed.

SWP costs more per gallon. But it covers *44 per cent more area*. So it costs no more than *cheap* paint by the job. Which would you rather use?



Prepared house paint—at its best

Being made of best quality materials, SWP dries to a tough, elastic, glossy finish.

There is no chipping, cracking or peeling. It weathers slowly. Lasts usually for five years.

When repainting is needed, you save paint, time and money *because the SWP surface is in proper condition*.

A "cheap" paint frequently chips, cracks, peels and fades in a year or so. It gives an inferior finish and a much shorter life than good paint.

Repainting is more frequent and costs more for paint and labor because the old paint has to be burnt or scraped off.

That is the *other side* of the joker in the "cheap" paint can.

SWP beauty!

With fine old SWP you always get a beautiful paint job. Your house looks like

new. The colors are especially rich with a sheen like fine old pottery. And they are weather-fast—slow to fade.

Even after several years of exposure, a washing with plain soap and water will bring out their beauty almost like new.

Contrast this with cheap colors that look dull and wishy-washy almost in no time.

Which would you rather have — when SWP is guaranteed to cost less per job and much less per year?

See "Paint Headquarters" and save money

These are facts which every property owner has a right to know about house paint. They are attested by a concern whose standing we do not believe any man would question. The simplest way to prove them is to make the comparison suggested.

SWP House Paint is sold the world over. Each Sherwin-Williams dealer is "Paint Headquarters"

in his vicinity. See the one near you. Before you let any low price blind your better judgment, get his advice. Compare formulas. Don't be fooled. If you want literature, color cards, help on a color scheme or the famous Household Painting Guide, write us.

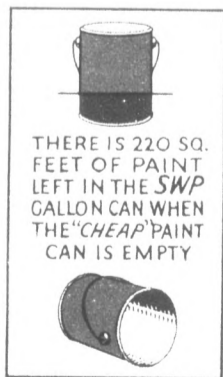
SWP

Guaranty of Satisfaction

SWP House Paint, when thoroughly stirred and applied according to directions, is hereby guaranteed to cover more surface, to look better, to last longer and cost less per job and per year than any house paint on the market.

THE SHERWIN-WILLIAMS CO.

Largest Paint and Varnish Makers in the World
CLEVELAND, OHIO



COSTS LESS PER SQ. FOOT . . . LESS PER YEAR . . . LESS PER JOB

Woman's Greatest Hygienic Handicap

As Your Daughter's Doctor Views It



Because of the utter security this new way provides, it is widely urged by physicians—ABSOLUTE SECURITY, plus freedom forever from the embarrassing problem of disposal

A free test offered—mail the coupon

By ELLEN J. BUCKLAND, Registered Nurse

SIXTY per cent of many of the commoner ailments of women, according to some medical authorities, are due to the use of unsanitary, makeshift ways in meeting woman's most distressing hygienic problem.

For that reason, this new way is widely urged today. Especially in the important days of adolescence. On medical advice, thousands thus started first to employ it. Then found, besides, protection, security and peace-of-mind unknown before. Modern mothers thus advise their daughters—for health's sake and immaculacy.

You owe it to yourself, your daughter, to learn of this new way. A free sample will be sent you, in plain envelope, if you mail the coupon.

Mail Coupon for Free Sample

FREE Sample of KOTEX

KOTEX COMPANY, S. F. P. 5-27
180 North Michigan Ave., Chicago, Ill.

You may send me sample of Kotex and book, "Personal Hygiene," in plain wrapper.

Name.....

Address.....

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

Kotex—what it does

Unknown a few years ago, 8 in every 10 women in the better walks of life have discarded the insecure "sanitary pads" of yesterday and adopted Kotex.

Filled with Cellucotton wadding, the world's super-absorbent, Kotex absorbs 16 times its own weight in moisture. It is 5 times as absorbent as cotton.

It discards easily as tissue. No laundry—no embarrassment of disposal.

It also thoroughly deodorizes, and thus ends all fear of offending.

Only Kotex itself is "like" Kotex

See that you get the genuine Kotex. It is the *only* pad embodying the super-absorbent Cellucotton wadding. It is the *only* napkin made by this company. Only Kotex is "like" Kotex.

You can obtain Kotex at better drug and department stores everywhere, without hesitancy, simply by saying "Kotex." Comes in sanitary sealed packages of 12 in two sizes: the Regular and Kotex-Super.

Today mail the coupon for a full-sized sample of Kotex, *free*. Note the improvement, mental and physical, this new way brings. Important booklet on "Personal Hygiene" will be sent also, both in plain envelope. Send for *your* sample today.

"Ask for them by name"

KOTEX
PROTECTS—DEODORIZES

No laundry—discards as easily as a piece of tissue

Kotex Regular:
65c per dozen

Kotex-Super:
90c per dozen

Easy Disposal and 2 other important factors



① Disposed of as easily as tissue. No laundry.



② True protection—5 times as absorbent as the ordinary cotton "pads."



③ Obtain without embarrassment, at any store simply by saying "Kotex"



THE HEALING MIRACLE.

(Continued from page 674).

life of Lord Lister, born one hundred years ago this year. He made possible aseptic surgery. From his work the doctors gradually learned how to cut the human body and remove organs without having infection follow. God has compelled us to conquer enemies, rather than to wait for miracles. And, of course, in all this men are working with Him. Never a healed wound unless nature works with the doctor. Never an improved strain of corn or wheat or apples or sheep, except the laws of nature, which are the laws of God, work with those who do the experimenting. So, in another way, this is an age of miracles. Think what some of the ancient worthies would say if they saw a half million acres of land irrigated from one huge dam. Think what they would say if they saw a human being put to sleep, a long gash made in him, part of his internal organs removed, and then saw him going about in a few weeks, on the road to health. Let us not fail to see the spiritual side to science. Let us keep up the sense of wonder, without which life loses half its meaning.

The poor man was lame—congenital lameness. Not his fault. No one's fault. It is just so. Is God unkind? Unfair? Let us not charge Him with that. That is easily said, not so easily proved. The same laws of heredity which made the lame man lame, make another man strong. And then, often these afflicted folk serve as perpetual sermons to the rest of us because of the way in which they master their handicaps. The pupils in a school for the blind are proverbially happy and determined. They do not sit in a corner and repine. Sometimes it takes afflicted people to show the stuff there is in the human spirit. And when one is crippled in one way it often means that he has another faculty developed that much more. Of a distinguished blind man it was said, "The radiance of his spirit mastered the darkness of time." The late Dr. C. P. Steinmetz was a hunchback, who did most of his work standing. He never asked for sympathy.

"Such as I have I give thee." If everybody would do that! What have you? Much, if you knew it. A small

country town thought it would be well to place a monument in memory of the soldiers from that community who served in the Great War. A huge boulder lay in a field a mile out of town, and this they decided should be moved and used as this monument. The men went at it, found that it was much larger than they supposed. The women brought coffee and pie, the men used pick and shovel and team. At last, amid general enthusiasm the huge granite stone was in place. Each had given what he had, and that had spelled success.

Money will buy a thousand things. It will go a long way toward leading us to the city of happiness. But it never gets us inside the gate, else why so many discontented rich folks? Why so many people who cannot think of any better plaything than a revolver, and no better target than themselves? Money is mighty. Miserable he who has none. But the highest values of life are gifts. "Such as I have I give thee." God gives us sunshine, coal (if we have to pay a fancy price it is not his fault), the soil to till, the ability to cultivate friendships, the power to enjoy the simple things. Lovers give each other their love, the patriot gives his best self to his country. No one could pay Lincoln or Roosevelt what their services were worth. God gives His Son. Thousands of Sunday School teachers give themselves to their classes each week. Thousands of people give their money for good causes each year. Earning, buying are indispensable. But take all the giving out of the world, and it would be a dreary place.

"In the name of Jesus of Nazareth." In the early days Christianity was called the Way, and the disciples worked for the Name. We are taught to pray in the Name of Jesus. It was an old belief that when a man did something in the name of a good man, some of the good man's strength became his. It is a significant thought, and a beautiful one. When we pray in the Name, we get some of the results of Him who bore the name.

SUNDAY SCHOOL LESSON FOR MAY 22.

SUBJECT:—"Peter Heals the Lame Man." Acts 3:1-10 and 4:8-10.
GOLDEN TEXT:—Acts 4:12.



Twenty Tales from Timberland

How Bobbins Bobbed His Tail—No. 20

ONE time, long, long ago, when rabbits had tails twice as long as they do now, there lived a little rabbit, named Bobbins. Bobbins was a naughty little rabbit and earned many scoldings and some spankings from Mama and Papa Rabbit.

One day when Bobbins had been particularly naughty, he ran away. Papa Rabbit had often warned him that it was not safe for little rabbits to venture outside of Timberland, because of the hunter and his bang-bang gun.

But on this day Blackie, the crow, had told Bobbins that some delicious young cabbages were growing over in Farmer Brown's garden.

"I must have a taste of them," said Bobbins to himself. So when no one was looking, Bobbins quietly hopped away. It didn't take him long to find the garden, for Blackie had told him just where to find it.

Hopping up to the garden fence, Bobbins peeked within. No one was in sight, but he could see Farmer Brown's house plainly, not so far away. Best of all, he could see row upon row of young cabbages. At first Bobbins was afraid, but the young cabbages were too tempting so he wiggled his way through a hole in the fence.

"I'll just nibble at this cabbage here in the corner," said Bobbins to himself, "then no one will see me." He nibbled and nibbled until at last nearly the whole cabbage had disappeared.

Then Bobbins felt much more brave. "Guess Farmer Brown isn't at home today," said Bobbins. "I'll just venture over and nibble at his lettuce patch."

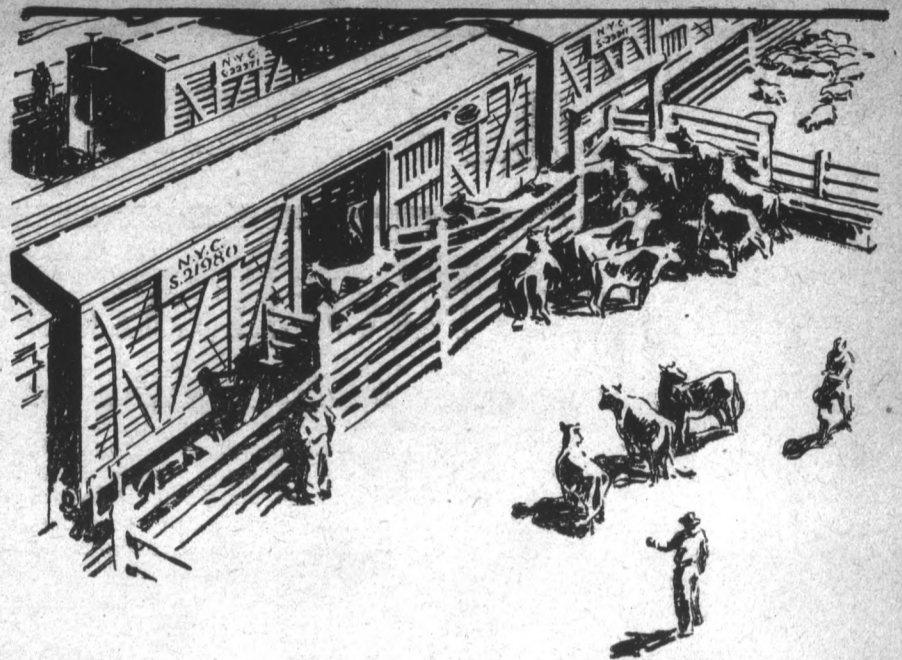
Bobbins had just taken one bite of lettuce when Blackie, the Crow, flew down near him, cawing, "Look out! Look out!" Bobbins looked around



Spot was Poking His Nose Through the Fence on the Other Side of the Cabbage Patch.

just in time to see Spot, Farmer Brown's dog, poking his nose through a hole in the fence on the other side of the cabbage patch. Bobbins' little heart went pitter pat and he made for the hole in the fence as fast as his short legs would carry him. Spot was close at his heels when Bobbins made the last wiggle and was safe on the other side of the fence. Or, at least, he thought he was safe.

(Continued on page 681).



Where Everybody Loses

INJURIES and death to live stock in transit are a direct loss to live stock feeders, shippers, stock-yards and the railroad

Seventy-five percent of such losses are avoidable. For example, sixty-three percent of the hogs that die in shipment do so from congested lungs caused by over-exertion, excitement and over-crowding before going aboard the car.

And seventy percent of broken bones are caused by lack of mineral substances in general feeding.

Through careful handling, properly balanced food and exercise, live stock casualties can be largely eliminated. And what have been losses to everyone concerned can be converted into profits.



New York Central Lines

Boston & Albany—Michigan Central—Big Four—Pittsburgh & Lake Erie and the New York Central and Subsidiary Lines

Agricultural Relations Department Offices

New York Central Station, Rochester, N.Y.

La Salle St. Station, Chicago, Ill.

Michigan Central Station, Detroit, Mich.

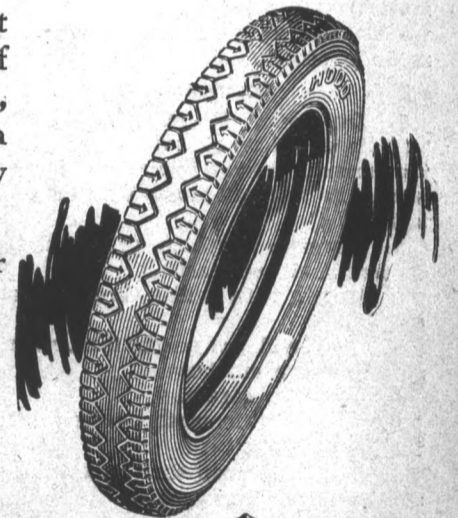
466 Lexington Ave., New York, N.Y.

68 East Gay St., Columbus, Ohio

Under size Tires on Trucks are Costly and Unsatisfactory!

IF you want the cheapest and best service out of your Ford or Chevrolet truck, equip the rear wheels with HOOD 32 x 6 Heavy Duty Truck Tires.

Those who figure cost per mile buy HOODS.



Made by Hood Rubber Co., Watertown, Mass.
Distributed by Hood Rubber Products Co., Inc.
Branches in all Principal Cities



BALLOON TIRES—HEAVY DUTY TIRES—SOLID TIRES



Starve Moth and Save Clothing Bill

Sunshine and Fresh Air Have Proven to be Nature's Best Moth Preventives

THE one thing more distressing than finding one's best spring coat moth-eaten beyond redemption, is to find Friend Husband's summer suit in like condition.

To be sure, we must mobilize against the moth by resisting his life habits, yet in consideration of our own comfort, we must also refuse to double the moth menace by allowing no end of unused woolen articles to accumulate. So our first step in our annual effort at a moth-free home, is to discard, with very few exceptions, anything containing wool for which we will have no further use.

Why is this hidden foe a menace even in the bride's new home and possessions? Simply because of the voracious appetite and enormous capacity of the larvae, or moth worms, laid by the small, flying clothes moth, which otherwise does no harm. You see, it is not sufficient to swat the tiny moth itself. Perhaps it has already laid its eggs in the dusty crevice of an over-

the woolen garments, sox, mittens, mufflers, sweaters, underwear and so forth, in one receptacle, if possible.

9. Add moth balls or other moth-repellant compound to contents.

Furniture.

1. Brush each piece thoroughly, even on underside.

2. Vacuum-clean, if possible.

3. Rub wood parts with furniture polish as a protective measure.

4. Spray with moth-proofing solution.

During the moth season, furniture, or any other woolen article in use must be cared for frequently. It is every day and every day with many of us, if we are to be reasonably safe from the militant moth.—Mrs. H. J. Thompson.

HINTS WORTH TAKING.

Coffee and tea stains can be removed from silk and wool material with

pure glycerine. After the stain is saturated with the glycerine, rinse in warm water and press with warm iron.—Mrs. E. C.

I find that making drop cookies and drop biscuits on baking day saves much time. Only on special occasions do I take time to roll them out.—Mrs. A. O. H.

One can clean and polish their woodwork with one operation by adding sweet milk to warm soft water and washing with same, then rubbing with a soft cloth. My woodwork that has been cleaned this way for twelve years, is in perfect condition.—Mrs. R. D. G.

When removing a pie from the oven, I set it up on something so that the air can strike the bottom until it is cool. This keeps the crust crisp and prevents soggy.—Mrs. W. G.

tuberculous-tested cows, vaccination for smallpox, plenty of fresh air day and night, sunning of children out of doors with few garments on, tested well water, and the right kind of a garden.

In order to get the most out of the points discussed, Dr. Hedger recommended the following books for parents to read:

"From Youth to Manhood," by W. S. Hall; "The Adolescent Girl," by Blanchard; "The Training of the Adolescent," by McKeever; "Toward Racial Health," by Nora March.

Mrs. Never Well vs. Mrs. Ever Well. Exhibits had been arranged by the women of these various counties showing the principles of nutrition for the infant, for the mother and the family (Continued on opposite page).

TWO SPRING MODELS OF CHIC SIMPLICITY.



No. 624—Sizes 16 years, 36, 38, 40, 42 and 44 inches bust measure. The 36-inch size requires $3\frac{1}{2}$ yards of 40-inch material with $\frac{3}{8}$ yard contrasting.

No. 735—Simplicity and Chic. Sizes 16, 18 years, 36, 38, 40, 42 and 44 inches bust measure. The 36-inch size requires $2\frac{7}{8}$ yards of 40-inch material.

Send 13c to the Pattern Department, Michigan Farmer, Detroit, Michigan, for each of these patterns.

COTTAGE PUDDING—A FAMILY FAVORITE.

This pudding is a welcome surprise to top off any dinner. Cream one-quarter cup of butter, gradually add one cup of sugar and the yolks of two eggs well beaten. Sift two cups flour, three teaspoons baking powder, and a pinch of salt. Add alternately to the first mixture with one cup of milk, beating constantly. Add one-half teaspoon of orange extract and fold in the stiffly beaten whites of two eggs. Turn into a butter baking dish and bake in a moderate oven forty minutes. Serve with strawberry-sauce while still warm.

Way to Better Health

Pointed Out by Dr. Hedger to Thousands of Michigan Women

THE message of "Better Health and Community Cooperation," was carried to 2,688 Michigan farm women by Dr. Caroline Hedger, of the Elizabeth McCormick Memorial Fund of Chicago at the annual Achievement Day meetings held in Wexford, Ionia, Livingston, Macomb, Jackson and Branch counties during the week of May 2-7 inclusive. These meetings were a fitting conclusion to the nutrition project as conducted during the past year by Martha Mae Hunter, nutrition specialist from Michigan State College.

"There is one word which characterizes the adolescent period more than any other, and that word is instability," stated Dr. Hedger. "It is a period of stress and strain. If the girl or boy is to obtain her or his optimum growth there must be nutrition plus. Neither can we make sound, sane young people without sleep.

A Vital Warning.

"Since the growth is irregular it leads to various kinds of instabilities. There is motor inco-ordination, hence this period is known as the awkward age. The heart is unstable and if often known as the narrow heart of the adolescent. Warning: 'Do not let the boy or girl enter into competitive athletics without sufficient medical supervision. It is not worth it. You are taking it out of their hide and out of their future'."

A score card for the scoring of individual health and efficiency was suggested to the women of Jackson county. Right then and there every woman present proceeded to take an inventory of her personal self.

What's Your Score?

First point considered: "Have you the highest possible personal beauty? Is your complexion from the inside or is it applied from the outside? It should shine from the inside out."

Another point under beauty was posture. At this juncture all stood up. "Weight on balls of the feet," directed Dr. Hedger. "Shoulders easy. Breast bone up. Stand tall.

"Do you weigh right for your age and height? The curve is the line of

beauty, and to be skinny is not beauty. While the curve is the line of beauty, yet nobody says it takes an entire circle. Do you carry excess baggage?"

Second point: "How do you feel when you get up in the morning? Do you have plenty of 'pep' and vitality? This can be gained through adequate nutrition and plenty of fresh air and sleep."

Point three: "Do you have a smooth running, unconscious body? Do you have absolute freedom from pain? No corns on your toes, no bilious headaches, etc., if so, you can count yourself twenty on this point."

Four: "Have you control of your emotions? If so, count twenty more."

Five: "How do you stand on social adjustments? Have you the ability to get along with folks? If so, you are worthy of another twenty points.

"How many of you have a score of seventy-five?" continued the doctor, and comparatively few hands went up.

"It makes live worth living to be able to pass a score of seventy-five on these points at the age of seventy-five," in the opinion of Dr. Hedger. "If we all score high personally, we shall have a good basis for community health."

Get Viewpoint of Prevention.

"We force our children to go to school, but we must make the school a safe place for the child. Acute colds are catching. Keep that child at home whose eyes and nose show symptoms of a cold.

"We should have a low tuberculosis death rate. There is still a high death rate from tuberculosis among high school girls. The probable cause for this is the inadequate nutrition and lack of sleep on the part of the high school girl. The mode that the high school girl must look like a two-by-four is abominable.

"We should all get the viewpoint of prevention. We so often attack the wrong end of the problem. While we need cures, we have a greater need of going into the homes and into the communities to establish standards of prevention."

Preventive measures suggested were



Their Pet Lamb is the Constant Playmate of Mildred and Adeline Glinieck.

stuffed chair, or in the seam of a rug, or in the collar of your new fur coat. Sad to say, the grubs start to work immediately so that, when moth season comes we must grasp whisk broom and garments and repair to the clothesline and sunshine.

There is no rosy road to moth extinction. Vigilance, intelligence and effort are necessarily exercised every spring. On a bright, sunny morning we might try the following vigorous mode of attack.

Garments.

1. Dry-clean, if feasible. Note: This is excellent protection, provided the garment is hung immediately afterwards in a moth-proof bag or container.

2. Hang in sunshine and wind for several hours at least.

3. Brush with whisk broom thoroughly.

4. Beat and pat gently from wrong side to shake out larvae.

5. Examine carefully.

6. Spray with moth-proofing solution, if possible.

7. Fold and wrap each garment separately in fresh newspaper.

8. Label and store in a clean trunk, chest, or box. Note: Cedar chests and cedar-lined closets do not kill moths or moth worms; they merely repel their entrance. Hence, if you store a garment containing larvae, the larvae will flourish just as well in the chest, as out.

Furthermore, it is well to wash out the interior of chest, trunk, or container with some disinfecting solution to be sure it also is moth free.

It lessens the responsibility to store

RHUBARB FOR HEALTH.

I HAVE never forgotten that passage in "Tom Brown's School Days" where the headmaster's wife called in turn each of the boys and administered a great spoonful of brimstone and molasses, then wiped her fingers on their hair. It was spring, she said, and their blood needed thinning.

It is true that in the spring, after the dietetic sins of the winter, our systems do need a "toner," but we have learned to take it in the form of foods and not in vile tonics, as did the boys at Rugby.

The following are tested health recipes, all high favorites in my family.

Rhubarb Betty.

Two cups stale bread crumbs, one and one-third cups sugar, one-half cup butter or butter substitute, and two cups thinly sliced rhubarb. Put a layer of bread crumbs in the bottom of a baking pan and cover with a layer of rhubarb, seasoned with sugar, bits of butter, and a dash of cinnamon. Continue until the pan is full. Pour over one-half cup hot water and bake slowly one hour. Uncover and brown. This pudding, baked in custard cups and served with a spoonful of whipped cream and a sprinkling of cinnamon is good enough for company.

Rhubarb Fruit Cake.

One-half cup of shortening, one and one-half cups brown sugar, one egg, one level teaspoon of soda, two cups flour, one teaspoon baking powder, one cup rhubarb sauce, one teaspoon salt, one cup cooked raisins, and one-half cup hot juice, one teaspoon each of cinnamon, allspice and cloves. Cream shortening, add salt, work in the brown sugar, add well-beaten egg. Dissolve the soda in the hot raisin juice and stir in, together with the rhubarb. Sift the spices and baking powder with the flour and add to the above mixture. This makes a large cake of three layers.

Rhubarb Tarts.

Bake tart shells on inverted muffin tins. Just before serving time, fill them with stewed, sweetened rhubarb, cover with a meringue made of one stiffly beaten egg white and two tablespoons of powdered sugar. Brown quickly in a hot oven. Equal parts of stewed raisins and rhubarb is a delicious variation.—J. Stallings.

WAY TO BETTER HEALTH.

(Continued from opposite page). as a whole. Mrs. Ever Well's cupboard, which was full of vegetables, fruits, milk and whole grain breads and cereals, was contrasted with Mrs. Never Well's, which contained pills and medicines of all descriptions, and such foods as greasy fried potatoes, pies, white breads and fat pork.

A nutrition clinic was held during the morning, where a committee of local women measured and weighed anyone who wished to check up on avoirdupois.

The enthusiasm of each group in attendance at the Achievement Day programs registered the interest with which the women had studied the practical problems of nutrition during the past year.

HOW BOBBINS BOBBED HIS TAIL.

(Continued from page 679).

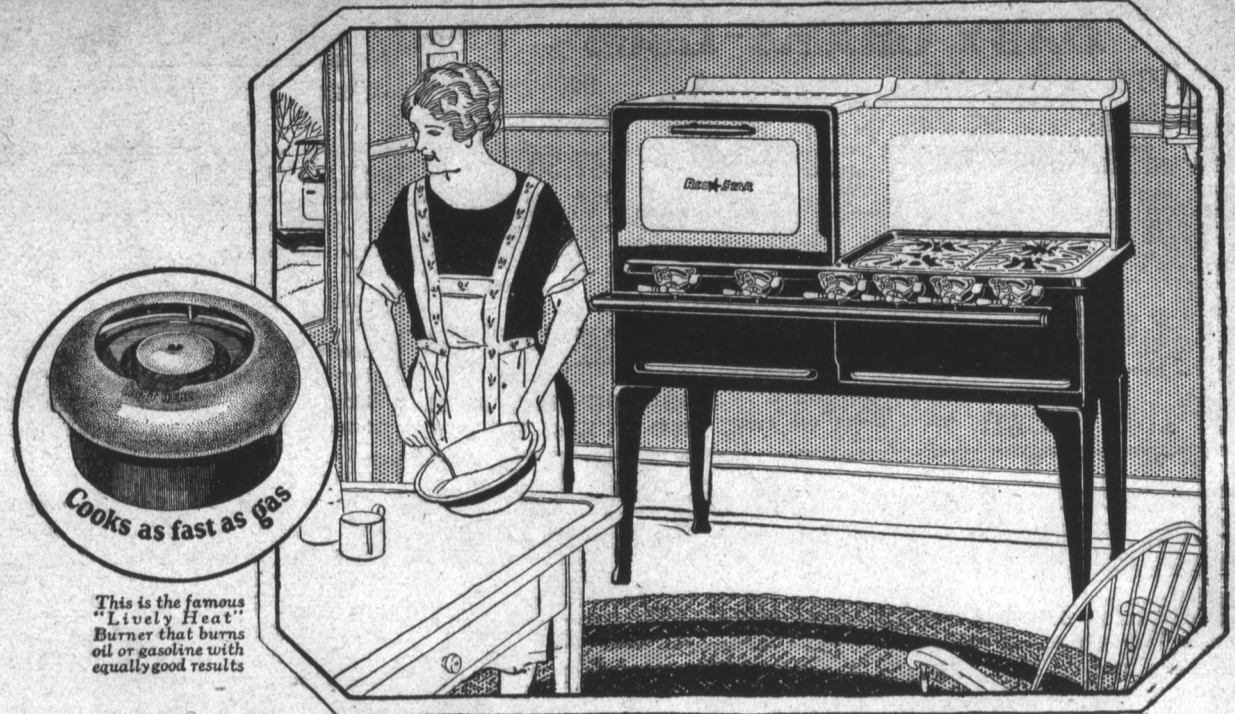
"Ha, he, ho," laughed Bobbins, "you can't get me now. That's one on you Mr. Bow Wow."

Spot swished his long tail. "Bow, wow, is that so?" he asked, and with one leap he was over the fence.

Now Bobbins had to take to his heels in earnest. 'Round this tree and that, he dodged, but always Spot was just one leap behind.

"I'll get you now," barked Spot, as Bobbins stubbed his toe on a stub and fell. Then, just as Spot opened his big mouth to gobble him up, Bobbins disappeared into his house in the ground. But in his hurry, Bobbins caught his tail in the door as he slammed it, and since then Bunnys' tails have been only half as long as Bobbins' was.

THE RED STAR OIL STOVE BURNS OIL OR GASOLINE



"For eleven years it has cooked for family of six" —says Mrs. S. R. Parks, Greenwood, Nebraska

Dear Sirs: "I have had my Red Star Detroit Vapor Oil Stove eleven years and it is just as good today as it was when I first got it. This stove burns either kerosene or gasoline. It has no wicks of any kind to need trimming and make extra expense.

"The wonderful 'Lively Heat' burners give a red hot steady flame, fine for frying steak, making jelly and baking.

"It has been very satisfactory in cooking for a growing family of six on the farm."

(Signed) MRS. S. R. PARKS.

Thousands of other women, like Mrs. Parks, know the economy and convenience of the Red Star Oil Stove with its wonderful wickless "Lively Heat" burners.

Go to the nearest Red Star dealer. See a demonstration and you will be convinced. Made in two to six burner sizes and at a price for every purse. Smaller sizes cost no more than ordinary oil stoves. Most dealers sell on easy terms. If your dealer is not listed below, write us at once and we will send you the interesting Red Star Book free and the name of a nearby dealer.

THE DETROIT VAPOR STOVE COMPANY, Dept. 102, Detroit, Michigan; makers of the famous Red Star Oil Stoves and White Star Gas Ranges.

RED STAR OIL STOVE

GO SEE THE DEALER NEAREST YOU

QUALITY



STOCK

TYPE OF S. C. W. L. HENS ON OUR FARM.

Foundation stock of Barron Strain S. C. W. Leghorn hens with records up to 279 eggs per year. We furnish chicks to some of the largest farms in Mich. and Wis., as they realize the advantage of the quality of our stock.

Our flock all inspected, and headed by large, vigorous males.

S. C. W. Leghorn Chicks.....	For May 25th Delivery.	June 1st Delivery.
Barred Rocks, and Rhode Island Reds.....	8c each.	8c each.
8-week-old pullets.....	12c each.	12c each.
	85c each.	

Add 40c for postage for chicks in lots below 100. We prepay all shipments and guarantee safe delivery.

Byron Center Poultry Farm and Hatchery, Byron Center, Mich.

RELIABLE CHICKS

LOW PRICES NOW

Get your chicks for winter layers right now at these low prices. Order from the prices given below. These chicks are strong, healthy and pure-bred. We guarantee 100% live delivery and satisfaction.

S. C. W. LEGHORNS, 9c; B.D. ROCKS, R. I. REDS, 11c; ASSORTED, 7c. Reliable chicks have proved satisfactory for years. You can depend on them. Order today at above prices. Orders less than 100, 1c more. Bank reference. RELIABLE HATCHERY, 92 EAST SEVENTEENTH ST., HOLLAND, MICH.

LOOK! Buy Our Big, Husky, Easy to Raise CHICKS Can Ship at Once at Reduced Prices

15 Pure-bred varieties of Barred, Buff, White Rocks, Single or Rose Comb Reds, Black Minorcas, 12c. White or Silver Wyandottes, 13c. Buff Orpingtons, 14c. Large Brahmas, 17c. Heavy mixed, 11c. Light Mixed, 8c. Brown or Buff Leghorns, 9c. Morgan Tanned Blood-tested White Leghorns of 303 to 330-egg blood line, 14c each. Add 35c extra if less than 100 ordered. June, July chicks, \$1.00 per 100 less. 1,000 to 12-week-old pullets. Get Free Circular. BECKMAN HATCHERY, GRAND RAPIDS, MICH.

BABY CHICKS THAT YOU CAN DEPEND ON

Our twenty-third year. 96,000 capacity. The following low prices are effective for the balance of the season. Catalogue free.

	100	500	1000
S. C. W. LEGHORNS.....	\$ 9.00	\$40.00	\$75.00
S. C. M. ANCONAS.....	9.00	40.00	75.00
S. C. BL. MINORCAS.....	11.00	50.00	95.00
Left-over Odds and Ends.....	8.00	35.00	65.00

PINE BAY POULTRY FARM, R. 4, Holland, Mich.

REDUCED PRICES for May

Genuine Tom Barron English White Leghorn, large type lapover combs, selected stock. Non-setters Barred Rocks, flocks headed by males whose dams have trapnest records, 200-230 M. S. C. laying contest.

White Leghorns.....	\$ 8.00	\$37.50
Barred Rocks.....	10.00	47.50

Circular free. HILLSIDE HATCHERY, R. No. 3, Holland, Mich.

Worth While Chicks

S. C. Buff Leghorns our specialty, also hatch White Leghorns, Reds and Rocks. Send for Catalog of Walhalla Wonderful Worth While Chicks, now. Don't delay.

Walhalla Poultry Farm
Noblesville, Ind., Box 50

SEND NO MONEY for SILVER LAKE CHICKS

Just mail your order. We ship C. O. D. and guarantee prepaid 100 per cent live delivery of sturdy, pure-bred chicks from healthy bred-to-lay flocks; Wh., Br., Buff Leghorns, 6c; B.D. and Wh. Rocks, R. I. Reds, Anconas, Bk., Minorcas 10c; Buff Orpingtons, W. Wyandottes, Buff Rocks 11c; Mixed 8c; all heavies 10c. Orders for 50 chicks or more, 25 chicks 2c more.

Silver Lake, Egg Farm Box M Silver Lake, Ind.

Blood Tested Baby Chicks

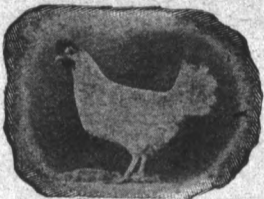
Reduced Prices Effective May 16th	100
Extra Selected B. P. Rocks	\$13
Selected B. P. Rocks & Reds	\$12
Mixed 10c	100% live delivery

CARLETON HATCHERY, Carleton, Mich.

EGG LINE WHITE LEGHORNS BABY CHICKS-EGGS

For JUNE Shipment	25	50	100	500	1000
Super Matings	\$4.00	\$7.50	\$14.00	\$65.00	\$120
Standard Matings	3.00	5.50	10.00	47.50	90

PATER PEN WON Mich. 1926 International Egg Laying Contest. Birds entered were from our proven Tancred Strain-Breeders. Our pen of ten birds laid 2,488 eggs in 51 weeks, and averaged 248.8 eggs each. Get this blood for best results. All flocks, eggs, chicks, Michigan Accredited. Every bird approved and all males leg banded by a Mich. State Poultry Improvement Association Inspector.



BUY YOUR CHICKS from stock that has proven its worth. A choice from either our Super or Standard Matings will provide you with a flock of dependable breeders—from birds that have demonstrated their worth in our own flocks.

All Chicks prepaid parcel post or express. We guarantee 100% Live Delivery.

J. Pater & Son Hen No. 733. Official Record 303 Eggs.

**HUDSONVILLE, MICH.
ROUTE 4, BOX M,**

EGG-LINE

WASHTENAW Baby Chicks

Michigan Accredited CHICKS

These prices apply May 16 and after, on our first class Michigan Accredited Chicks.

Barred Plymouth Rocks	50	100	500	1000
S. C. & R. C. R. I. Reds	\$7.00	\$13.00	\$62.50	\$120.00
White Plymouth Rocks	7.00	13.00	62.50	120.00
White Wyandottes	7.50	14.00	67.50	130.00
Grade A White Leghorns	7.50	14.00	67.50	130.00
English White Leghorns	7.50	14.00	67.50	130.00
Assorted Chicks (when we have them)	6.00	11.00	52.50	100.00

We have been producing high class poultry for 10 years and our chicks are the result of most careful breeding. You will not be disappointed. Write today.

WASHTENAW HATCHERY, 2501 GEDDES ROAD, ANN ARBOR, MICHIGAN.

PROFIT PRODUCING CHICKS

Special Summer Prices

Make money this summer raising B & F chicks. Late broilers bring good price and the pullets will be laying in five to six months. You have your choice of three breeds—all are profitable.

PRICES EFFECTIVE MAY 15th.	50	100	500	1000
S. C. White Leghorns	\$6.00	\$11.00	\$52.50	\$100.00
Barred Rocks & R. I. Reds	7.00	13.00	62.50	120.00
PRICES EFFECTIVE JUNE 1st.	50	100	500	1000
S. C. White Leghorns	\$5.00	\$9.00	\$42.50	\$80.00
Barred Rocks—R. I. Reds	6.00	11.00	52.50	102.50

Broilers, all heavies, \$9.00 per 100; 500 for \$42.50. Mixed Broilers, \$8.00 per 100; 500 for \$37.50.

Will Ship C. O. D. 100% Live Delivery Guaranteed.

Pay your postman when you get your chicks. Just write or wire your order. We have large hatches each week and can fill large orders promptly. Write for free catalog that describes our special matings.

Brummer & Fredrickson Poultry Farm, Box 20, Holland, Michigan

HOLLAND HATCHERY

NEW LOW PRICES ON MICHIGAN ACCREDITED CHICKS

Write now for our latest price list, giving our new low prices on this old reliable strain. This is your chance to save. Every chick hatched from selected rugged, free range breeders officially passed by inspectors supervised by Michigan State College.

Prices effective May 1st.

S. C. White Leghorns	100	500	1000
Anconas	\$11.00	\$52.50	\$100.00
Barred Rocks	11.00	52.50	100.00
	13.00	62.50	120.00

Last December one of our customers reported \$1,037.70 worth of eggs from 935 hens in the last five weeks of 1926. This is \$28.05 income per day, or a profit above feed cost of almost \$23.00 per day. This is just the chance you have been waiting for—strong, husky chicks, high egg-bred parent stock, Michigan Accredited, 100% safe arrival guaranteed. Free catalog and price lists.

VAN APPELDORN BROS., HOLLAND HATCHERY & POULTRY FARM, R.7-C HOLLAND, MICH.

DUNDEE MICHIGAN ACCREDITED CHICKS

Stock all blood tested for Bacillary White Diarrhea for the past three years. Chicks all hatched from pure-bred select free range stock. Prices for May 16th, 23rd and 30th.

B. P. Rocks (Extra Special)	100	500	1000
B. P. Rocks (Selected)	\$13.00	\$62.00	\$120.00
Single Comb White Leghorns (American Strain)	12.00	57.00	110.00
S. C. White Leghorns (English Strain)	11.00	52.00	100.00
	10.00	48.00	90.00

Order direct from the ad or write for catalog. Buy blood tested and accredited chicks this season and be pleased.

THE DUNDEE HATCHERY, Box A, Dundee, Michigan

BABY CHICKS S. C. White Leghorns

\$9.00 Per 100 \$42.50 Per 500 \$80.00 Per 1000

Odds and Ends \$6.50 per 100 \$30 per 500 \$60 per 1000

Order direct, live delivery guaranteed. Prompt shipments by prepaid mail. Reference State Commercial Bank

MAIN HATCHERY, ZEELAND, MICHIGAN

DEAN EGG FARM & HATCHERY

CHICKS

Michigan Accredited Chicks—
White Leghorns a Specialty—also best strains of Barred and White Rocks, R. I. Reds, White and Silver Laced Wyandottes, Anconas. Expert selection of breeding stock, together with scientific incubation methods, assure husky, liveable chicks.

DEAN EGG FARM & HATCHERY
Birmingham, Mich.
Box B

Established 1911—Free Catalogue—

DEAN

Free Catalogue

Michigan State Accredited Chicks

Michigan SILERS PUREBRED CHICKS Accredited

REDUCED PRICES IN EFFECT MAY 16

Hatched from PURE-BRED, ACCREDITED, BLOOD-TESTED flocks. Order direct from this ad. or write for catalog.

BARRED PLYMOUTH ROCKS "AA"	100	500	1000
BARRED PLYMOUTH ROCKS "A"	\$13.00	\$62.50	\$120.00
S. C. WHITE LEGHORNS "AA"	12.00	57.50	115.00
S. C. WHITE LEGHORNS "A"	11.00	55.00	110.00
S. C. WHITE LEGHORNS "A"	10.00	50.00	100.00

TERMS: 10% with order, balance 5 days before shipment.

SILER HATCHERY DUNDEE, MICHIGAN

POULTRY

KEEPING THE TURKEY FLOCK UP TO STANDARD.

RAISING turkeys, like anything else, you will find has its drawbacks. In order to be successful, it is absolutely necessary that we know something of their requirements, love the work, and carefully study their adaptability. I have raised the three different varieties, but during the past several years I have been raising the Bronze type. Each year I try to improve my flock, and I thought that perhaps my experience might be of help to some.

I try to keep my flock as near standard as possible; by this I mean, we only try to keep the very best for breeders. I have found that it pays to do so. I do not make a business of selling eggs nor breeders, as I did in former years. I do, however, sell my toms locally each year, and always get good prices for them, for I have made it a point to sell only first-class breeders. We carefully cull and save for breeders only, the young hens that seem to have all the requirements wanted in the older birds. In buying breeding stock, people usually want hens and toms that are unrelated. This is correct. I would never advise anyone mating their own stock. I do not do so myself, for as surely as we do, that will be one way to lower the standard of the flock. The way I have solved the problem satisfactorily, is to buy a setting of eggs from a good breeder, and then save a first-class tom from our own flock.

I have bought eggs often for setting, paying high prices for them. One year especially, I paid a high price, in fact, the highest price I have ever paid for a setting of eggs, and they did not hatch well, but I did have the very best stock from the few turkeys raised that season. My flock usually averages around twenty-five to thirty birds, sometimes more.

Perhaps my method of feeding may be of help to someone. I never feed the young for at least forty-eight hours, then they are given hard-boiled eggs crushed fine and crumbled, feeding just a little at a time, and quite often after the first day, I always feed with green stuff which is cut fine so that the young turkeys can eat it readily.

For the green stuff I use lettuce, dandelion, onion tops, and all such things available. I never over-feed at any time. That is fatal with turkeys. After the first week, I feed the turkeys their three meals daily, and that is done in a regular manner. Irregular feeding will not pay. Please profit by my experience, for I ought to know. I have lost an entire flock from over-feeding, but never lost a turkey from proper care that was hatched out full of vitality and pep. As my flock gets older and stronger, I soak bread in milk, then squeeze it dry and mix all together with the greens, and sometimes a growing mash. To this I add some fine grit. Grit, I have found, is an important requirement, especially when the flock is young. The young birds simply must have it in order to grow and do well.

I advise plenty of range, regardless of what might be said against it. I have never known anyone in my experience who had much luck in raising turkeys, unless they gave the flock plenty of range. We need only observe a wild flock of turkeys to verify this statement. Just notice sometime if you will, what strong, vigorous birds wild turkeys are. When I was small, a wild tom mated up with our flock once, and mother said that strain was noticeable in our flock for at least ten years.

There is one more point to be con-

sidered briefly, that of the profits. When we once have the right kind of stock, our profits will depend entirely upon ourselves. I have made from forty dollars to over three hundred dollars from my flocks raised in the past, and that is pretty good for the time, labor, and care given them for the first month or so, after which they require no further attention.—Mrs. Edith Swope.

PREVENTING WHITE DIARRHEA.

ACCORDING to reports from the Wisconsin Experiment Station, the value of the agglutination test for detecting the carriers of white diarrhea is being seriously questioned. At the same time many poultrymen seem to have found greater ease in raising baby chicks from blood tested stock. When the scientists disagree, the practical poultryman may be able to dig along some way by using as much common sense as possible.

Allowing that the blood test is not 100 per cent perfect, and that one or more infected chicks may be present in most brooder houses, there is still a way of trying to prevent heavy losses. Never place a chick of questionable vigor under a brooder canopy. Watch the chicks carefully and immediately kill any chick that shows signs of sickness. This will remove a possible source of contagion from the brooder house. Clean the house often to remove any droppings that may have been left by a weak chick.

When high grade chicks from blood tested stock have been purchased, there may be a tendency for some poultrymen to try and save every chick, even if it appears slightly lacking in vigor. Such a chick may contaminate the litter and the feed, and cause many sick chicks, even though they started out with the best possible vigor.

It is seldom possible to make any money by doctoring a sick chick. You may be unlucky and save the chick, and thus raise a cull. It is merciful to the remainder of the flock to kill the weak chicks promptly, and remove a great danger from brooder houses.

SELL THE PERSISTENT SETTERS.

POULTRYMEN who keep the general-purpose breeds are often troubled a good deal during the spring and summer with broody hens. Some find it convenient to use bands to distinguish the persistent setters. Beginning the first time a hen goes broody, a band is slipped on her and she is placed in the broody coop. Birds which show broodiness at frequent intervals are not worth keeping. Some will lay just a few eggs, and then want to set. The object in banding is to get rid of this kind of birds. They are not only a bill of expense, but are not the kind of hens we desire for breeders. Broodiness can be bred out of a strain by continued selection. If we use numbered bands, a record should be made of the dates of each recurring attack, and when a bird has three bands in six or seven weeks she should be sent to market. Some of our Plymouth Rocks and Rhode Island Reds will not turn broody at all until after they have laid for ten or twelve months. We should endeavor to select that kind for the breeding pens the next year. Banding will help.

By going through the houses every night and removing the broodies it is possible to break them up without much loss of time.—C. H. Chesley.

Cheese is "ripened" by means of bacteria and moulds.

RURAL HEALTH

By Dr. C. H. Lerrigo

MOTHER HAS TUBERCULOSIS.

What can be done about a mother with tuberculosis who has four young children? Can anything be done to keep them from taking the disease, or are they sure to get it?—A Michigan Teacher.

Theoretically, the mother can use such care in disposing of her sputum that the children will not be infected; but practically, I do not think this to be possible unless mother and children are separated. The wise thing to do is to arrange for the mother to go to a sanatorium where she can be treated for the disease. If this is quite impossible, she may be treated at home, but arrangements must be made for caring for the children elsewhere. It will be out of the question for the woman to get well with the care of four children devolving upon her, and, if they come in contact, the children will almost certainly be infected. They have no doubt received some measure of infection already, and should be given very careful supervision. Write to Mr. T. J. Werle, Secretary Michigan Tuberculosis Association, Lansing, Michigan.

Mount Sinai is an extinct volcano.

Clocks operated and controlled by the city electric lines are in use in Philadelphia.

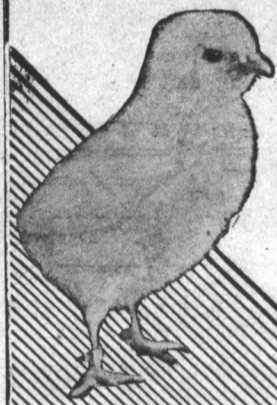
big reductions

SUPERIOR LEGHORNS

DURING the week of May 16-23-30-June 6-13-20 and 27 we will deliver to you prepaid and 100% live delivery guaranteed, Superior S. C. White Leghorns at the following remarkably low prices. Just fill in the coupon below for the number you desire and mail it today. We will ship your order when you designate.

\$375.00 net profit in one month

That is what Guy Burgis of Fair Grove, Mich., made last January with 832 pullets raised from 2,000 Superior chicks bought last June. Write today for our latest low prices and get started with the right stock. Stock of this quality is cheap even at prices much higher than we are asking.



These Chicks Are Michigan Accredited

Even at these low prices these chicks are Michigan Accredited and will pass the exacting requirements to be classed as such. Furthermore on Superior Farms breeding plant is where we blend our Tancred and Barron strains to produce those big bodied profitable birds. We have 600 pullets entered in R. O. P. (record of performance) this year and are individually pedigreeing thousands of chicks. Write for complete information describing special matings at slightly higher prices.

Superior Poultry Farms, Inc.

BOX 359

Zeeland - Mich.

100 - \$9.00

500 - 45.00

1000 - 85.00

Mixed or Broiler Chicks \$7 per 100

Gentlemen: Enclosed please find \$_____ for _____ which ship me _____ White Leghorns as advertised the week of _____ (Signed) _____ P. O. _____ State _____ S. C.

Baby CHICKS 8 to 12 Week RURAL PULLETS ACCREDITED

UNEXCELLED in Their PRICE CLASS

Free Catalog. All closely Culled, Every Bird Leg Banded.

Prices Greatly Reduced for Delivery to June First



WHITE LEGHORNS.	100	500	1000
Pure Hollywood, 200-290-egg pedigree	\$18.00	\$87.50	\$170.00
Improved Hollywood Mated, 200-290-egg pedigree	12.00	57.50	110.00
Tancred Mated	10.00	52.50	100.00
Barron White Leghorns	10.00	47.50	90.00
ANCONAS—Famous Sheppard Mated	12.00	57.50	110.00
Utility Anconas	10.00	47.50	90.00
BROWN LEGHORNS—Very best grade	11.00	52.50	100.00
BARRED ROCKS	13.00	62.50	120.00
Broiler Chicks (not accredited)	7.00	35.00	.....

Shipments on Monday and Wednesday of every week. Write for prices on other quantities. Wire orders promptly handled. Pullets: White and Brown Leghorns. Free range raised. 8 to 12 weeks for shipment starting May 15th. Write for prices.

RURAL POULTRY FARM, R. 1. Box M, Zeeland, Mich.

ENGLISH TYPE WHITE LEGHORNS MICHIGAN ACCREDITED

The Big, Deep Bodied Hens with Large Combs that Produce the Large White Eggs

Special Prices for JUNE Delivery	100	200	500
Special Mated	\$11.00	\$21.50	\$50.00
Standard Utility Mated	9.00	17.50	40.00

Ottawa Hatchery & Poultry Farm, Route 10, Box 42-M, Holland, Mich.



BARGAIN SALE ON BABY CHICKS

All Michigan Accredited. From the very best Egg Strains in the Country.

For Prompt Delivery in Lots of	100	500	1000	5000
Prices to June 1st	\$9.00	\$42.50	\$8.00	\$37.50
S. C. W. Leghorns and Anconas	11.50	55.00	10.50	50.00
Barred Rocks	6.50	32.00	6.00	30.00
Broilers, Assorted	.....	.....	.....	.....

All Firsts—No Seconds. Biggest Bargain we have ever offered on Baby Chicks of this high grade in all our long years of experience. Order NOW! Direct from this ad to insure delivery date.

MICHIGAN POULTRY FARM, Box 2, HOLLAND, MICHIGAN.

PULLET PRICES LOWEST NOW!

8 Weeks and Up S. C. White Leghorns Only—Pure Tancred Strain. For Delivery in MAY or JUNE From Michigan CERTIFIED Chicks.

Get Our Prices All Pullets from Third Year Blood Tested Stock. From known high average production stock. Shipments any date in May or June. Safe arrival and your satisfaction guaranteed. BATTLE SPRING POULTRY FARM, Hudson, Mich.

Town Line POULTRY FARM

Michigan Accredited Chicks Reduced

Our stock is the result of 14 years of breeding for SIZE, TYPE, WINTER EGGS and HIGH FLOCK AVERAGE, instead of a few high individuals. We have HOLLYWOOD, TANCREDED, and ENGLISH type S. C. White Leghorns, SHEPPARD'S ANCONAS, Brown Leghorns and Barred Rocks. Hollywood foundation stock from 200-290-egg record; Tancred foundation stock from 250 up egg record stock. Ancona foundation direct from Sheppard. The very best in Brown Leghorns and Barred Rocks. Our chicks are HEALTHY, VIGOROUS, Newton hatched chicks from free range breeders. The strongest proof of the quality of our chicks is that we have doubled our hatching capacity over last year. With "TOWNLINER" you also get "PERSONAL SERVICE."

JUNE PRICES.	100	500	1000
S. C. Wh. & Br. Leghorns, Anconas	\$ 9.00	\$40.00	\$ 75.00
Barred Rocks	12.00	55.00	105.00

Mixed Chicks \$7.00 per 100—orders for less than 100, 1c per chick more. Chicks shipped postpaid. 100% live delivery guaranteed. Discount on early orders. LARGE NEW CATALOG FREE. Thousands of 8 to 10-week-old pullets at special low prices. J. H. GEERLINGS, Mgr. R. 1. Box M, ZEELAND, MICH.

LAKEVIEW POULTRY FARMS

Reduced Prices for June Delivery

Lakeview Chicks are Michigan Accredited Official records up to 252 eggs at Michigan egg contest 1923, 24, 25. Every breeder inspected and passed by inspectors supervised by Mich. State College, Smith Hatched.

Will Ship C. O. D. Prepaid prices on	25	50	100	500	1000
S. C. Wh. Leghorns	\$2.50	\$4.75	\$9.00	\$42.00	\$80.00
Barred Rocks, S. C. & R. I. Reds	3.25	6.00	11.00	32.00	100.00

Special Matings higher. Mixed Chicks \$7.00 per 100—all heavies, \$9.00. Order from this ad at these prices. Member International Baby Chick Ass'n.

Lakeview Poultry Farm, R. R. 8, Box 6, Holland, Mich.

HUNDERMAN CHICKS

Chicks that are hatched from free range breeders, carefully selected. Our flocks and hatchery inspected and passed by representative of Michigan State College. Refer you to State Commercial Savings Bank. Order from this ad.

Prices Effective May 30th and thereafter	25	50	100	400	1000
S. C. White & Br. Leghorns	\$2.75	\$4.75	\$9.00	\$34.00	\$80.00
Br. Rocks	3.75	6.25	12.00	46.00	110.00
S. C. Reds	3.75	6.25	12.00	46.00	110.00

Heavy Mixed \$10.00 per 100; Light Mixed, \$7.00. 100% live delivery prepaid. Our chicks are Michigan Accredited. 10% down books your order. Free catalog. HUNDERMAN BROS., R. R. No. 3, Box 50, ZEELAND, MICH.

FAIRVIEW PROFIT PRODUCING STRAINS

Big Discounts NOW for early orders on Hatching Eggs, Chicks, Pullets and early breeding Cockerels, Michigan Accredited. Six Leading Varieties, Trapnested Leghorns under R. O. P. Work, S. C. Heavy Type White Leghorns, White and Barred Rocks, S. C. Anconas, S. C. Rhode Island Reds, S. C. Brown Leghorns. We Guarantee Satisfaction. Write for our live and let live prices.

FAIRVIEW HATCHERY & POULTRY FARMS Box M, Zeeland, Michigan

WINSTROM POULTRY FARMS and HATCHERY

Proven Layers—Michigan Accredited—High Quality Profit Producers. Heavy Laying Type. All from carefully culled, selected breeding stock. 100% Live Delivery Guaranteed. Bank Reference.

Baby Chick Prices for June and July	50	100	500
Barron Eng. Wh. Leghorns, S. C. Br. Leghorns and Anconas	\$5.25	\$10.00	\$47.50
Barred Rocks and S. C. R. I. Reds	6.25	12.00	57.50
Mixed Chicks (not Accredited)	4.25	8.00	40.00

Also heavy laying type profit producing pullets. Order now for assured deliveries. FREE Circular. WINSTROM'S HATCHERY, Albert Winstrom, Prop., Box C-6, Zeeland, Mich.

B. P. ROCKS S. C. W. LEGHORNS STATE ACCREDITED R. I. REDS W. P. ROCKS

All our breeding stock has been blood-tested for three years, and all our chicks hatched from free range stock. Shipped P. P. prepaid. 100% live delivery guaranteed.

	100	500	1000
B. P. Rocks (Milan Special) & R. I. Reds (Contest Bred)	\$16.00	\$75.00	\$150.00
B. P. Rocks & R. I. Reds (Lady Elmac Strain)	13.00	60.00	120.00
B. P. Rocks & R. I. Reds (Selected)	11.00	50.00	100.00
S. C. W. Leghorns (Milan Special American)	12.00	60.00	110.00
S. C. W. Leghorns (English Utility)	10.00	45.00	90.00
Mixed Heavy Chicks	10.00	45.00	90.00

MILAN HATCHERY, MILAN, MICHIGAN

104,817 Eggs in FOUR WINTER MONTHS

Customer reports this record production in the four winter months of Dec., Jan., Feb. and March, from 1,350 May Pullets. First three months produced \$3,820.77 worth of eggs. Feed cost only \$724.39. Let me know if this beats all records you have heard. Stock from this same breeding is available for your flocks.

W. A. DOWNS POULTRY FARM, Route 2, Romeo, Mich.

UNUSUAL WHITE LEGHORNS

ROYAL EGG BRED CHICKS

75% OF OUR SALES EACH YEAR ARE TO OLD CUSTOMERS

Hanson -- Tancred -- English

Remember, that Royal Leghorns are Contest winning Leghorns—and that you get in our chicks exactly the same bloodlines that have produced these winners. Our demand from old customers was never so great as it has been this year.

SPECIAL PRICES FOR JUNE

	50	100	500	1000
A Mating	\$5.50	\$11.00	\$55.00	\$105.00
B Mating	4.50	9.00	45.00	85.00
Broiler Chicks	\$6.50 per 100.			

Order direct from this ad at the above prices. We guarantee 100% live delivery and we know you will be pleased. Circular fully describing sent free. Reference—Zeeland State Commercial & Savings Bank. ROYAL HATCHERY & FARMS, S. P. Wiersma, Prop., R. 2, Box M, ZEELAND, MICH.



CHICK PRICES CUT

NOW—chicks from ILLINOIS STATE ACCREDITED HATCHERY No. 1. Flocks officially Tested for Bac. White Diarrhea and T. B. offered at no higher prices than for untested quality chicks from Non-Accredited flocks. Our stock Inspected and mated for past 10 years by nationally known, Licensed A. P. A. Poultry Judges. America's leading high production egg lines back of every chick. 100% live delivery and SATISFACTION GUARANTEED. CATALOG FREE. Accredited chicks as priced below. For chicks from Accred. flocks tested for B. W. D. and T. B., add 2c each. Per 100.

Wh. Br. Bl. Leghorns, Anconas, Heavy Ass'd.	\$11.00
Bar'd. White, Buff Rocks, S. & R. C. Reds.	13.00
White Wyandottes, Buff Orpingtons	14.00
White Orpingtons, White Minorcas, Lt. Brahmas	16.00
Jersey Black Giants	17.00
Assorted, All Breeds	9.50

Chick prices for more in lots less than 100 and less in lots of 500 and up.

MRS. DOROTHEA J. RAINEY, Mgr. Ill., Director Internat'l Baby Chick Assn.

WALNUT RIDGE HATCHERIES, Dept. E-41 LITCHFIELD, ILL. BUTLER, ILL.

Babion's Pure Bred Chicks

Also BLOOD TESTED CHICKS from highest producing strains in all leading varieties. 100% Live Delivery Guaranteed. 35 VARIETIES.

Prepaid Prices on	25	50	100	500
S. C. White, Brown & Buff Leghorns, Anconas	\$2.75	\$5.50	\$10.00	\$45.00
Barred, Wh. & Buff Rocks, R. I. Reds	3.75	7.00	13.00	62.00
White Wyandottes, Black Minorcas	3.75	7.00	13.00	62.00
Buff & W. Orpingtons, S. L. Wyandottes	4.25	8.00	15.00	72.00
Mixed Heavies, \$2.75; \$5.50; \$10. Mixed Lights, \$2.50; \$4.50; \$8.00.				

Send for large Price List, including Ducklings. Please remember, Quality goes ahead of Price. Consider this when you place your order. No C. O. D. orders shipped. 10% will book your order, balance 2 weeks before chicks are delivered. BANK REFERENCES. You cannot go wrong in ordering from this ad direct. CHICKS Hatched from TRAPNESTED LAYERS, 3c per Chick higher than above prices. CHICKS Hatched from BLUE RIBBON PENS, all BLOOD TESTED, 8c per Chick higher. Write at once today. BABION'S FRUIT AND POULTRY FARMS, Lock Box 354-C, FLINT, MICHIGAN.



Diligent Chicks Did It Well! AND WILL DO IT FOR YOU

We confidently believe we are sending out the finest, strongest, real quality chicks at the most popular prices. Twelve years of honest dealing behind us. Located 2 miles North of Holland, Mich., on M-11. Visitors welcome. Pullets after May first.

Postpaid prices on	25	50	100	500
S. C. Wh. Leghorns	\$2.75	\$5.25	\$10.00	\$45.00
Barred Plymouth Rocks	3.50	6.75	13.00	62.50
Rhode Island Reds, S. C.	3.50	6.75	13.00	62.50
Mixed, all heavies. Good chicks	2.75	5.25	10.00	47.50
Mixed lights. All good chicks	2.25	4.25	8.00	37.50

Diligent Hatchery & Poultry Farm, HARM J. KNOLL, Prop. R. R. No. 11, HOLLAND, MICHIGAN.

Buy Insured Baby Chicks Insurance Covering Brooding for 30 Days

Eight Pure Breeds for building up farm flocks. Barred and White Rocks; Reds, Wyandottes; Minorcas; Anconas; White Leghorns—separate breeding—from both Tancred and Hollywood foundation stock; 100% live delivery postpaid. Hatching eggs; also Duck, Geese, and Turkey eggs. Send for new catalog, insurance plan, and Credit Certificate Plan. Everything explained. Pullets 8 weeks and three months. Cockerels in different breeds. Send for circular.

STATE FARMS ASSOCIATION
Masonic Temple KALAMAZOO, MICHIGAN

WOLF SELECTED CHICKS

Baby chicks of highest quality. Special Pen Mated Stock and Extra High Bred Stock at slightly higher prices, if you prefer. Fine healthy pure-bred utility chicks at following prices. Catalog free. Prices postpaid. (100% live del. guarant'd).

25	50	100	300	500	1000	
S. C. Wh., Br., Buff Leghorns, Anc.	\$2.75	\$5.00	\$9.00	\$25.50	\$41	\$80
S. C. Minorcas, Brd. Wh. Rocks, R. & S. C. R. W. Reds	3.25	6.00	11.50	33.00	52	100
White Wyandottes, Buff Orpingtons	3.50	6.50	12.50	37.00	60	115
Jersey Black Giants	6.00	11.00	20.00	59.00	95	185
Light Mixed	2.75	4.50	8.00	24.00	38	75
Heavy Mixed	3.00	5.50	10.00	30.00	50	97

WOLF HATCHING & BREEDING CO. BOX 42, GIBSONBURG, OHIO.

Pure Bred Chicks at Reduced Prices. 100% Live Delivery Guaranteed

Order direct from this ad or send for free catalog. American Cert-O-Culd.

Prepaid Prices for	25	50	100	200	500	1000
Wh., Br., Bk. Leghorns	\$3.00	\$6.00	\$11.00	\$21.50	\$52.50	\$100.00
Bk. Minorcas, Anconas, Brd. Rocks	3.25	6.50	12.00	23.50	57.50	110.00
Wh. Rocks, R. & S. C. Reds	3.25	6.50	12.00	23.50	57.50	110.00
Wh. & Sil. Wyan., Buff Orpingtons	3.50	7.00	13.00	25.50	62.50	120.00
Sil. Spangled Hamburgs, each 14c. Assorted Breeds each 9c.						

LANTZ HATCHERY, BOX J, TIFFIN, OHIO.

1000 PURE-BRED CHICKS ON HAND

CAN SHIP AT ONCE AT REDUCED PRICES

White and Buff Rocks, Reds, Black Minorcas, 12c. White or Silver Laced Wyandottes, \$13.00 per 100. White, Brown and Buff Leghorns, 8½c. Anconas, 11c. Buff Orpingtons, 14c. Heavy mixed broilers, 11c. Light mixed broilers, 8c. Light Brahmas, 17c. Blood tested Tancred White Leghorns, 312-egg breeding, 13c. If less than 100 ordered add 35c extra. June chicks \$1.00 per 100 less, 4 to 10 weeks old pullets. Circular free. LAWRENCE HATCHERY, PHONE 76761, GRAND RAPIDS, MICH.

"Best-Yet" Chicks

REDUCED PRICES ON CHICKS

Write for prices on our fine pure-bred Ohio accredited baby chicks. Quick growers that are sure to bring success to you.

Prices (Postpaid) on:	25	50	100	500
White, Brown & Buff Leghorns	\$3.00	\$5.50	\$10.00	\$45.00
White Leghorns (Tom Barron & Wyckoff strains)	3.50	6.50	12.00	55.00
Barred Rocks, Anconas, R. C. & S. C. Reds	3.50	6.50	12.00	55.00
White Rocks, White Wyandottes, Buff Orpingtons	3.75	7.00	13.00	60.00
Mixed Chicks	2.75	5.00	9.00	40.00

BLUFFTON HATCHERY Box M, BLUFFTON, OHIO.

OUR BOYS AND GIRLS

Comments on Success

By a Golden Circler

I HAVE been reading the many and varied articles and letters written by the Golden Circlers and others during our recent reunion. There are bits of thought in all. By the way, I just read that "Literature is the thoughts of thinking souls." This, I believe, is descriptive of what appeared in "Our Page" from Golden Circlers and others.

T. Norman Hurd, in the issue of March 12, has some very good ideas of success, and Delores sounds a keynote. Happiness is the direct result of sacrifice; forgetting one's self in the joy of helping and sharing with

him that believeth." Isn't it true? White Amaranth in her bereavement has the spirit of success and character which shows in her letter. Even when we pass the M. C. age limits can we not continue with helpful suggestions and friendly discussions, and thereby help in the success of "Our Page?" The choice between good and evil is the building of character, which gives evil and excuse for being. Our Page is building character. When a thing makes for betterment and advancement, there success is.

I want to present a few bits of thought picked at random in my reading, and if this gets in print, I shall call it a success in more than name alone.

All thoughts, all passions, all desires, Whatever stirs this mortal frame, Are ministers of love And feed his sacred flame.

Happy is the heart that keeps its twilight hours. And in the depths of heavenly peace reclined, Loves to commune with thoughts of tender power, Thoughts that ascend, like angels beautiful A shining Jacob's ladder of the mind. —John O. Roberts.



Reuben Johnson Must Think U. F. is Late for a Date.

others the blessings bestowed upon ourselves.

Education as an element of success is a much discussed problem and very often abused unduly. Does or does not a high school education benefit the rural home-maker—who finishes school and marries? Does not exercise develop the physical being, keep alive and keen the joy of accomplishment in hard work and plenty of it? Yes, Mrs. RuRal, education is of great benefit to the girl who marries after finishing school, as well as to the young people who enter upon business careers. A keen mentality and alert open mind means a happier home. There is always less friction when a couple can enjoy good literature and discuss world affairs intelligently. How about when the children are going to school? Who is better qualified to help tutor than father and mother, and were not father and mother once the children? Education is a vital factor in success. Pope said: "A little learning is a dangerous thing, drink deep, or taste not the Pierian springs."

"Jimmie's Mother" has a lesson in success. An open mind and the will to make or remake decisions are conducive to success. To be successful you must make decisions. Think for yourself and don't fear to reverse decisions if you make mistakes.

Even success is not the paramount objective in life, for it is written, "If any man desires to be first, the same shall be last;" again, "The wisdom of this world is foolish with God." Tetullian says, "The soul is naturally christian." Take heart, then, when you are discouraged and down and out, for it is written, "all things are possible to

Our Letter Box

Dear Uncle Frank: Should I say "Uncle" Frank? I'm not a Merry Circler, you know, but I guess we must be some relation, as my sister is your niece.

I, like "Dreambird," read a lot. I have read nearly all the books she mentioned, and many others. My favorite books are L. M. Montgomery's "Anne" series. I have read them all. "Dreambird" didn't mention any books by Zane Grey, Mark Twain, Eleanor H. Porter, or Louise Alcott. Their books are always good.

I think Guilford Rothfusses' essay on "What is Beautiful" was real good. I think we all feel as he does about our mothers, and I always feel sorry for any boy or girl who has to grow up without a mother.

I guess I had better sign off now, or W. B. will get a stomachache when he devours this letter.—Isabel Piper, Spruce, Michigan.

I am glad to know that "my niece" has a sister. You are, therefore, also a relative. I am pleased to know you are a reader of good books.

Dear Uncle Frank: I was indeed surprised and pleased to see development printed in a recent issue. I had received comment on it before I knew it was in print. I like Our Page because it is more interesting than any Boys' and Girls' Page in the various magazines.

Don't think, if or when you think like you admit in April 2 issue in answer to Myrtle Feltis. That's what I do. You mold a lot of character in the



Some of the Girls at the Convalescent Home Who Are Enjoying Our Radio. Send in Your Nickels and Dimes so those at the Children's Hospital Can Also Enjoy One.

little comments you make to letters on Our Page.

Say, am I crowding in my letters? I have several ideas and subjects I'd like to write up and send in from time to time as I find time to enlarge on them. Perhaps it's just hot air! Just tell me if it is.—John O. Roberts, Breckenridge, Mich.

You are not crowding. When good letters come too fast I have to let some stand by. "Your "Development" was good. Thanks for the compliments. Few are so perfect that they do not think profanity at times, but the overcoming of such thoughts is what puts value into character.

Dear Uncle Frank and Everybody: Well, what are we going to "jangle" about next? We had all better put on our thinking bonnets and think of something discussable.

I just thought of a poem that would fit in pretty good on Our Page. The name of it is "Builders." "Isn't it strange that princes and kings And clowns that caper in sawdust rings, And common folks like you and me Are "builders" for eternity? For each is given a bag of tools, A shapeless mass, and a book of rules, And each must make, 'ere life is flown, A Stumbling Block or a Stepping Stone."

From one of your Hayseed Nieces, "Toodles," Montague, Michigan. P. S.—Let's all be "Steppins Stones." Yes, it is well to think of something discussable, but it is not necessary to have it cussable. I say "Amen" to your P. S. The poem is good.

THE GOLDEN CIRCLE.

AS you probably know, the Golden Circle honor is given for special merit in some Merry Circle activity. In reviewing the work of the last six weeks, I have selected the following as worthy of the Golden Circle button: Azia Tillman on "Education," April 9 issue. Farm Kate on "Prohibition," April 16 issue. F. C. C. on "Prohibition," April 16 issue. Gertrude on "Worry," April 16 issue. Dreambird on "Nature study," April 30 issue. Vesta Yoder, poem on "Spring," May 7 issue. I have the addresses of Azia Tillman and Vesta Yoder and will send them buttons. I would like to have the names and addresses of the other four.—Uncle Frank.

ADD A LETTER CONTEST.

SOMETIME ago we had one of these contests and it proved very interesting. It works like this, for instance, if we use the letter A: A, at, mat, mate, teams, stream, etc. You see, you add a letter each time to make a word until you cannot add another letter to make another word. In this contest we will start with the letter O.

LOWEST PRICES IN OUR 30 YEARS BREEDING EXPERIENCE

Pay Only ONE CENT Per Chick with Order

Tom Barron Strain S. C. White Leghorns, 270-300-egg foundation; 300-egg strain Anconas; all large, long-bodied birds with large combs. Heavy winter layers. Also Evergreen strain Rose Comb White Wyandottes. Immediate Delivery.

PULLETS. Right Now is the time to order your 10-12 weeks Pullets for May and later deliveries. Write for Prices.

	50	100	500	1000
S. C. English White Leghorns	\$5.00	\$ 9.00	\$42.50	\$83.00
S. C. Shepard's Anconas	5.00	9.00	42.50	83.00
Rose Comb White Wyandottes	7.00	12.50	60.00	.....
Broiler or Mixed Chicks	3.75	7.00	35.00	.....

For our EXTRA SELECTED MATINGS ADD 2 CENTS PER CHICK TO THESE PRICES. Order direct from this ad—Save time and worry. We guarantee Satisfaction and 100% Live Delivery on all chicks. Shipped postpaid. Reference, Zeeland State Bank.

RELIABLE POULTRY FARM & HATCHERY, R. 1, Box 42, Zeeland, Mich.

VILLAGE VIEW Chicks direct from farm to YOU



Big Reduction for May and June

Our breeding stock has free farm range and is selected by a trained poultry specialist. High record male birds are used exclusively. Buy from experienced poultrymen and save.

	50	100	500	1000
Eng. Wh. Leghorns & Anconas	\$5.00	\$ 9.00	\$45.00	\$ 80.00
Barred Rocks	6.50	12.00	55.00	100.00
Assorted Chicks for Broilers	.....	8.00	37.50	70.00

We guarantee 100% live delivery. Order direct from this ad and save. Ref., Zeeland State Bank.

8-Week Old Pullets 90c Each

We will deliver to you, immediate shipment guaranteed. 8-wk.-old pullets at 90c each. Healthy, vigorous stock that you will like. Write at once.

Village View Poultry Farm, R. 3, Box 2, Zeeland, Mich.

The girl who makes the greatest number of words according to the above directions, will be given a box of nice stationery; the next, beads, and the next three, unique pencils. The boy sending the best list will get an indoor baseball; the next, handy clutch pencil; and the next three, watch-chain knives. All who send in good lists will be sent M. C. buttons and cards if they are not now members.

Please don't forget to put your name and address in the upper left-hand corner of your paper, and M. C. after your name if you are a Merry Circler. The contest closes May 27. Send your papers to Uncle Frank, Michigan Farmer, Detroit, Michigan.

AD CONTEST WINNERS.

DESPITE the fact that things are busy on the farm, at this time, the response to this contest was good. After the papers were corrected, ten were drawn from the pile for prizes. The lucky ones are as follows:

- Fountain Pens.**
Martin Grayvold, Sutton Bay, Mich.
Florence Teska, Richmond, Mich.
- Clutch Pencils.**
Aubra Littler, R. 2, Rives Junction, Mich.
May Smith, R. 1, McGregor, Mich.
Frances Townsend, Ionia, Mich.
- Candy.**
Theodore Waisenen, Aura, Mich.
Kenneth Smith, R. 3, Snover, Mich.
Dorothy Moon, R. 2, Olivet, Mich.
Linda Sutinen, R. 1, Box 62, Pelkie.
Louise Hurley, R. 6, Box 89, Howell.
- Correct Contest Answers.**
1. Firestone—9-615.
2. Agricultural gypsum—9-615.
3. Royal Hatchery—623-22.
4. Local Goodyear Dealer Service—11-617.
5. Hinman free catalog—634-28.
6. Enarco—13-619.
7. The goodness of Havoline oil—5-611.
7. Full-o-pep chick starter—15-621.

THE MERRY CIRCLE FUND.

TWO weeks ago the M. C. money came in good, but since then things have been quiet. I hope that you will keep the fund in mind, in order that we may get a radio to spread cheer among those suffering handicaps at the Children's Hospital. Following are the names of some who have contributed. Other names will appear next week.

Florence McGregor, Dorothy Madsen, Neva Eggert, Robert Burns, Ray Palling, Carl Miller, Neva Begelon, Evelyn Papple, Stella Wrona, Erma Perkins, Genevieve Greek, Amanda Matchinske, Rena Alice, Marion Hubbell, Peggy, Thelma Trann, Anna Mae Cohoon, Naomi Comfort, Thelma Black, Lois Clark, Leah Protten, John Beal, Bernice Michel, Ray Wilt, Frances Elyea, Merna Brokaw, Melvin Hartman, Marguerite Spicer, Eva Miller, Beatrice McKenzie, Catherine DeLong, Stella Atkins, Ralph Cramer, Beulah Whittaker, Louise Hoddrill, Georgia Walrod.

WHITE LEGHORN BABY CHICKS

COMMERCIAL MATING MICHIGAN ACCREDITED

FOR MAY and JUNE DELIVERY

	Per 100	Per 500	Per 1000
S. C. White Leghorns	\$ 9.50	\$45	\$85
S. C. Mottled Anconas	10.50	50	95
Odds and Ends [NOT ACCREDITED]	7.00	32.50	

ORDER DIRECT, Sending Cash-With-Order for MAY and JUNE deliveries. Illustrated Catalog with description of Wyngarden Special Matings sent FREE with special price list of Pullets, on request.

WYNGARDEN HATCHERY & FARMS, BOX M, ZEELAND, MICH.

SILVER WARD SELECT CHICKS

ROCK BOTTOM PRICES

Never before have you been offered a better value in chicks than you are here. Read these low prices and realize that here is an unusual buy. You get Michigan accredited chicks which means every breeder is approved by specialists under supervision of Michigan State College. You get 100% live delivery, postpaid. You get prompt shipment. You get low prices. And of greatest value of all, you get that famous Silver Ward quality which means so much in poultry profits. Will ship C. O. D. if you desire. We can also offer splendid 8-10 week old pullets at very reasonable prices, of the same high quality.

Low Chick Prices—Immediate Delivery—C. O. D.

Extra Selected	25	50	100	500	1000
Barron S. C. White Leghorns					
Tancred S. C. White Leghorns	\$3.00	\$5.50	\$10.00	\$47.50	\$90.00
Sheppard's Anconas					
Standard Heavy Laying					
S. C. English White Leghorns	2.75	5.00	9.00	45.00	85.00
S. C. Anconas	3.75	7.00	13.00	62.00	120.00
Selected Brood-to-lay Barred Rocks	2.15	4.00	7.00	35.00	70.00
Assorted Broiler Chicks, all breeds					

You can order right now from this ad and save time. Wire your order and we will ship at once. We refer you to the Zeeland State Bank—a Member of International Baby Chick Association. Start now with some of these famous money-makers. You can never do it cheaper than now. We will send you a large free catalog that tells you the whole story of Silver Ward if you wish. It will be a great help to you.

SILVER WARD HATCHERY Box 29 ZEELAND, MICHIGAN

KNOLL'S S.C. White Leghorn Chicks

BABY CHICKS **8 WEEKS OLD PULLETS**

SPECIAL INTRODUCTORY OFFER. We want you to know the High Quality of Knoll's Michigan Accredited Chicks and Stock. That's why we are offering our Special Low Prices on May and June Chicks, and April Hatched Pullets.

	Per 100	500	1,000
White Leghorns, Tancred Strain	\$10.00	\$47.50	\$ 90.00
White Leghorns, Barron Strain	8.00	37.50	70.00
Brown Leghorns, Grade A	9.00	42.50	80.00
Barred Rocks, Grade A	12.00	57.50	110.00
Mixed Chicks (not Accredited)	7.00	35.00	.....

We Guarantee 100% Live Delivery, Postpaid. PULLETS 8 to 14 weeks. \$50 to \$1.10 each, according to age, for delivery before June first. Your order must reach us promptly. Order from this ad. Satisfaction guaranteed.

KNOLL'S HATCHERY, R. R. 12, Box M, HOLLAND, MICHIGAN.

CHICKS! LOOK! READ!

Pure-bred S. C. White & Brown Leghorns and Anconas. Flocks culled by an expert. Strong, sturdy well hatched chicks from Free Range Breeders. Immediate delivery. Order direct from this ad. Bank reference. Shipped postpaid. 100% live arrival guaranteed.

Prices. \$8.00 per 100; \$38.00 per 500; \$75.00 per 1000; Barred Rocks, \$11.00 per 100; \$52.50 per 500; Assorted or Mixed Chicks, \$7.00 per 100. Special low prices on 8-10-week-old pullets.

Riverside Poultry Farm, R. 7, Holland, Mich.

Profit-Sharing Prices

In closing a very successful year we want to have our customers share our good fortune with us. Our new profit-sharing prices are:

	100	500	1000
English White Leghorns	\$10	\$45	\$ 85
Barred Plymouth Rocks	12	55	105

RICHARDSON HATCHERY, Dundee, Mich., Box B

CHICKS! REDUCED PRICES! 7c UP!

From Michigan Accredited Class A flocks. Special Eng. Whites, S. C. Eng. White & Brown Leghorns, Anconas, R. 1. Reds and Assorted Chicks from healthy, heavy layers. No money down. 100% live delivery. Postpaid. Catalogue free.

THE BOS HATCHERY, R. 2-M, Zeeland, Mich.

8 Weeks Old Pullets for May 16th Delivery at 85c.

We sell our own stock only from 3-year, blood-tested stock. All breeding males 200 to 320 pedigreed. Michigan accredited. **SIMON HARKEMA & SON, Holland, Mich., R. 1.**

PRICES FOR MAY 30 and JUNE

Wh., Br., Buff Leg., Anc. Sc.; Bl. Min. 9c; Wh. & Br. Rocks, R. & S. C. Reds, Wh. Wynd. 10c; Wh. Min. and Buff Orpt. 12c; Brah. 11c; Heavy mix. 8c; light mix. 6c. 100% live arrival prepaid. Full remittance with order. Bank ref.

St. Stephen Hatchery, St. Stephen, Ohio

MICHIGAN FARMER

Classified Liners get results. Try one.

5% and 6% on Savings

Send for free booklet showing how to make your money earn a profitable return while you are accumulating a reserve fund.

For 38 years, we have been safe-guarding the savings of people in every section of Michigan and surrounding territory.

Our regular dividend rate on savings is 5% a year. Since July 1st, 1921, however, we have paid an extra 1-2% every six months, making a net yearly rate of 6% for the past six years.

You ought to be sharing in our dividend payments of more than half a million dollars a year. Our free booklet will show you how. Write for it today.

Resources
\$11,500,000

Established
1889

The National Loan & Investment Company

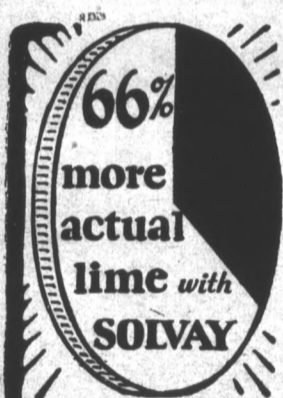
1248 Griswold St., Detroit, Mich.

Detroit's Oldest and Largest Savings and Loan Association
Under State Supervision

WANTED---Three Men

With Cars who can devote full time to saleswork. Salary and expenses paid weekly to full time men. For complete information address

The Michigan Farmer, Desk C, Detroit, Michigan



Get the most for your limestone dollar

Here's how—when you buy lime you are really buying lime oxide (its active chemical property), and this is what you get:

For \$125.00 you can buy, on an average, delivered to your station, 25 tons Solvay Pulverized Limestone containing 12½ tons of lime oxide, or 9 tons Burnt Lime containing 7½ tons lime oxide, or 10 tons Hydrated Lime containing 7½ tons lime oxide.

You obtain 66% more actual lime for your money when you buy Solvay Pulverized Limestone.

Spread Solvay this year—note the bumper crops—and you'll spread Solvay every year!

Write for booklet.

SOLVAY SALES CORPORATION
DETROIT, MICH.

Sold by

LOCAL DEALERS

LIVE STOCK AND DAIRYING

FAITH IN DAIRY COW JUSTIFIED.

(Continued from page 665).

The only products sold are breeding cattle and milk or cream. This removes a minimum of fertilizing elements and makes possible the rapid development of the production capacity of the soil.

The manure is handled on this farm somewhat differently than is customary. Like most progressive farmers, he hauls it direct to the fields when there is available land upon which it can be spread. But when this cannot be done the manure is composted and applied to the alfalfa fields in the fall. The results are wonderfully stimulating to the crop. Yields of alfalfa run well up to eight tons per acre per year. Last season the writer saw a crop of fully four tons being harvested from one field for the first cutting. Usually three cuttings are made.

But where Mr. Probert's system is radically different from other farmers on this side of the Atlantic is, that he has a stable sewage system which carries from the stables all liquid manure. This manure collects in sixteen inch vitrified tile extending 2,500 feet from the barns, and is periodically drawn off into the sprinkling tank and spread on land to be plowed. The liquid is too strong to be applied to growing crops. A tank full will cover a strip ten feet wide and about eighty rods long. The land is immediately plowed and put to crops. The results are almost magic, this quickly available plant food giving the crop every possible advantage.

But in addition to the heavy purchasing of concentrates and the careful return of every vestige of stable waste to the land, this Master Farmer also makes the most of these plant foods by supplementing them with commercial fertilizer. This usually consists of an application of two hundred pounds of bone phosphate every two or three years.

But this is all incidental to the main line of business—the production of pure-bred Jersey cattle. At the beginning a standard was set for every adult cow to attain or be sold. The minimum laid down was five hundred pounds of butter, or ten thousand pounds of milk. Careful selection and equally careful breeding has enabled him not only to reach this standard, but to advance the standard of butter production to six hundred pounds. He showed scores of records that far exceeded this minimum. In fact, he now has many yearling heifers with records above the early standard set for adult cows.

One cannot develop good herds of cows until he knows definitely what the foundation stock can do. This fact Mr. Probert realized early in his breeding experiences. As a result, before the present method of cow testing work was thought of, he followed a somewhat more crude but equally efficient system of determining production. This was to keep separate the milk from each cow being tested, and make it into butter, which told definitely the amount of butter she would give in a week, or for any period of time desired. By following this plan extensively, Mr. Probert not only found himself in an advantageous position in the selection of animals for mating, but he was equally fortified when selling stock. This definite knowledge about each animal made its appeal to breeders then as it is now doing in cow testing association work.

But Mr. Probert did not stop with the cows, his testing extended to his sires. No bull was allowed the distinc-

tion of ruling over these good cows until he had proven his worth as a prepotent animal carrying all the type and other qualities necessary to maintain and improve the herd.

His method of testing the sires is interesting. Twelve cows with known records as heifers are bred to the young bull. The condition of the calves at birth is carefully noted. If strong, the bull's chances are still good, otherwise he is counted out. This bull is then bred to his own heifers, sired by these twelve cows, to determine his prepotency. All the heifers from both matings are tested and these tests are compared with the records of the original twelve cows. In this manner it is possible to have definite knowledge of a bull before he is placed at the head of the herd.

By following these two lines of work—one giving definite information on the value of the cows, and the other equally valuable data on the qualities of the sires—it is possible to make certain progress in the development of high-producing animals. This Mr. Probert has accomplished through line breeding. The only inbreeding practiced on this farm is that followed in the testing out of the sires, as mentioned in the preceding paragraph.

In his line breeding work Mr. Probert has narrowed down the pedigrees to a few closely related lines of descent. By this system he has discouraged variability and wrought out a wonderfully uniform herd of animals—animals that not only have capacity for producing butter-fat, but that also are prepotent in transmitting type, and in possessing an abundance of vigor. Because of the thorough-going methods of testing already described, the chief danger of this kind of animal breeding has been avoided by being able to make judicious selections of individuals for matings.

The writer was permitted to inspect much private correspondence in connection with the business end of this farm. He found that breeding stock is being regularly shipped from the farm to more than a score of states at prices that are exceedingly attractive. Furthermore, calves are bought at fancy prices by people who have never seen the animals, some being bargained for before being born.

But the sale of surplus stock is not the only source of revenue from these Jersey cows. A fine market for high-grade cream has been developed at prices nearly double the regular quotations for butter-fat. This cream is produced under carefully guarded conditions. The stables are always kept sweet by frequent flushings so that no odors are absorbed by the milk. It is taken promptly to the milk house, separated and cooled, and then bottled and put on ice until called for by the distributor.

After Mr. Probert's son graduated from the University of Michigan some years ago, an arrangement was made whereby the son became a partner in the business. Now the junior member is shouldering the more arduous duties, and there is every reason to believe that the work will continue to be conducted on the same high plane as in the past. The achievements of Mr. Probert are due partly to the continuance of his efforts over a generation of years. It is highly fortunate, therefore, that someone can carry on.

After all is said and done, we suspect that perhaps the good cooking provided in the home on this farm under the splendid supervision of Mrs. Probert has had much to do with the success attained; at least, we can vouch for the wonderfully appealing table which she sets.

The HINMAN Electric

A smoother, sweeter-running little machine you never saw!

Just a handful. Move it anywhere. Plug in, attach teat cups. How it milks! Listen closely or you can't tell it's working. One or two cows at a time. Just watch the hard work being done for you—time and money being saved.

Easiest to clean. Only 1/6 H.P. required. Low in first cost. Because it uses the *Simple Hinman System*—proved right by 19 years of success in America, and in Belgium, France, England, Australia, South America and other foreign lands.

If you have electric power, choose a Hinman Electric and the future will confirm your judgment.

HINMAN MILKING MACHINE CO.
6th St. Oneida, N.Y.

Write for Catalog, containing milker information you should have.



HINMAN MILKERS
PORTABLE GAS ENGINE • STANDARD • PORTABLE ELECTRIC

Cuts Corn Borer into 1/8 inch pieces



ROSS Old Reliable Cutter

All steel construction—no blow out or clog troubles—light running—low speed—better ensilage—lifetime service—sizes to suit your power. A *Michigan Farmer* writes: "Your 8-12-16 Ross Cutter is the easiest running machine I have ever used—lots of power to spare—filled five silos and only trouble was getting enough corn to cutter." Write for money saving plan. Agents wanted.

The famous **ROSS SILO** made of copper content **ROSSMETAL** galvanized is another exterminator of the borer. Write for remarkable book, "What Users Say."

The Ross Cutter & Silo Co., (Est. 1850)
353 Warder St., Springfield, Ohio
Cribs—Brooder Houses—Garages—Mills

BREEDERS' DIRECTORY CATTLE

May Rose Guernseys
Senior Sire, grandson of Imp. King of the May 9001. Junior Sire, son of Langwater Sybarite 63073, he by Langwater Steadfast. Two splendid young sires for sale, 4 and 11 months. **W. W. TERRY & SON, Remus, Mich.**

EXCEPTIONAL YOUNG BULL AT AUCTION

We have consigned to the State Sale at East Lansing, May 26th, **WALLINWOOD KING 128599**. For additional information regarding the sale or this bull write: **F. W. WALLIN, Jenison, Mich.,** or **W. D. BURRINGTON, Box 1018, East Lansing, Mich.**

GUERNSEYS We are consigning to the Third Annual Sale at East Lansing, to be held on May 26th, 1 young cow, 1 heifer by Lone Pine Ranger, due in June, and 1 7-months bull calf, by Brookmead's Master Warrior. **GILMORE BROTHERS, Camden, Mich.**

FOR practically pure-bred **GUERNSEY** or **HOLSTEIN** calves, from heavy, rich milkers, write **EDGEWOOD DAIRY FARMS, Whitewater, Wis.**

FOR SALE Registered Guernsey bull of good breeding serviceable age. **ERNEST TREICHEL, Sterling, Mich.**

Guernsey Dairy Heifer Calves, practically pure bred \$25.00 each. We ship **C. O. D. Write L. Terwilliger, Wauwatosa, Wis.**

Guernsey Bull for Service Special terms and prices on A. B. **O. Stock. J. M. WILLIAMS, No. Adams, Mich.**

YEARLY PRODUCTION

A nicely marked bull of excellent quality. Born June 14, 1926. Color about half white. His sire is out of a 32.5-lb. Homestead cow with a 305-day record of 1,147.9 lbs. butter and 26,075 lbs. milk.
His dam is a 27.5-lb. 3-year-old daughter of Echo Sylvia King Model and a 29-lb. cow with a 305-day record of 971.4 lbs. butter and 23,317 lbs. milk.
If you are interested in a sire backed by real production, send for pedigree of Tag No. 388.

"THE MICHIGAN STATE HERDS."
Bureau of Animal Industry
Dept. C
Lansing, Michigan

HOLSTEINS FOR SALE

Bulls and heifers in type second to none. Get your son a heifer calf that can win at the fairs. Also six granddaughters of Echo Sylvia King Model, bred to King Hibel Supreme. Our K. P. O. P. sire wins 6 dams with rear records, including his own dam average 1,180 lbs. butter, 365 da., just 4% fat in milk. **GEM RANCHO, Robert W. Lautner, Traverse City, Mich.**

SIRES IMPROVE THESE HERDS,

THE versatile tester of the Macomb No. 1 Cow Testing Association, G. M. Wagner, shows in his report the great value that his dairymen are obtaining through the cooperative use of well-bred pure-bred sires. The Ray Holstein Breeders' Association are all members of the cow testing association. A comparison of the records of the daughters with those of the dams, show that there is a consistent improvement in test and butter-fat production as a result of the use of the pure-bred Holstein bull, Sir Ormsby Segis.

The per cent of test increased from 3.5 to 3.88. The pounds of butter-fat increased from 366 to 399. There is 8.9 per cent increase in test, while the per cent improvement in butter-fat production in the daughters compared with the dams, is 9.1 per cent. Other records of daughters versus dams were compared by Wagner and he shows that there are sixteen daughters out of twenty-five that have made an increase in production over their dams.

The cooperation of dairymen in the use of well-bred sires proving the daughters through the cow testing association, is a project worth considering by many other Michigan dairymen.

Information returned by the Bureau of Dairying, Washington, D. C., indicates that only one proven sire out of twenty-five is actively in service in Michigan dairy herds. Further information from this same source states that "there are 468 sires that are almost proven or disproven." By a proven bull we mean one which has five or more daughters that have records which exceed those made by the dams. These 468 bulls have from one to four daughters which have been compared with the dams but have not the required number to be listed as proven bulls.

Michigan cow testers and dairymen in testing associations, will be able to help prove many of these sires when ever complete information is listed in the top of the cow testing association herd book and transferred on to the yearly association summary strips. The strips drawn up by the tester at the end of the testing year are tabulated by the bureau of dairying and the information returned to the association.

The herds which have averaged above 300 pounds of butter-fat production for four years in Wr. Wagner's association, are: R. G. Potts and Wm. Schoof. The herd of Otto Meitz has averaged this mount for three years; that of Elmer Hartsig for two years, and for the past year the following members had herds producing over this amount: H. J. Sewell, Harry Green, Louis Bannow, Ed. Luchtman, Ed. Wangelin, and Louis Schoof.

STALLION REGISTRATION.

I would like to know the law in Michigan regarding the registration of stallions. Can I use a May 17, 1926, unregistered horse?—N. S.

Act No. 256 of the public acts of 1911, as amended in 1921, provides that all stallions that are offered for public service in Michigan must be enrolled by the department of agriculture, and that no stallions be enrolled unless recorded in a recognized registry association. Therefore, it is a violation of the law to offer an unrecorded stallion, either at owner's premises or elsewhere for public service. This does not include owner's mares.—Judson Black.

BLUE RIBBON STOCK.

To further serve agriculture and the live stock industry, The International Live Stock Exposition has published a history of the last International Live Stock Exposition. Much valuable information is included. The book may be had for \$1.00 per copy from the secretary-manager of the International Live Stock Exposition at the Union Stock Yards, Chicago, Illinois.

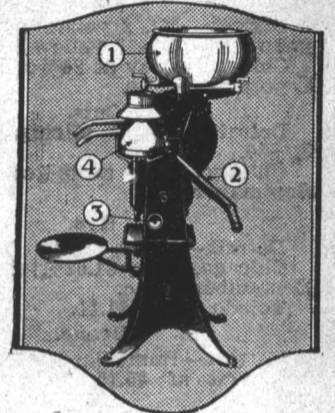
Now you can see the oil supply in the new 1927 Series DeLaval Separators



This feature enables new De Laval users to see at all times how much oil the separator has and the condition it is in. You will like it.

The Oil Window

"The best separators ever made," say all who have seen these new De Laval—unrivalled for clean skimming, ease of turning, convenience of handling and durability.



You can't afford to use any other separator. A new De Laval will soon pay for itself. Sold on easy terms. Trade allowances made on old separators.

The De Laval Separator Co.
NEW YORK CHICAGO
165 Broadway 600 Jackson Blvd.
SAN FRANCISCO, 61 Beale Street

OTHER FEATURES

- 1. Turnable Supply Can:** The supply can may be turned so that tinware and bowl may be put in place or removed without lifting the supply can from its position on the separator. Every user will like this feature.
- 2. Easier Turning:** For three years the De Laval experimental and engineering departments have been conducting extensive tests to develop still easier turning separators. The results of these tests are embodied in this new series, which start and turn easier.
- 3. Floating Bowl:** All new De Laval Separators with such splendid results. It is self-balancing, runs smoothly without vibration, with the least power and wear, skims cleaner and delivers a richer, smoother cream.

See and try De Laval the new

Quality Guernseys at Auction MICHIGAN'S THIRD ANNUAL CONSIGNMENT SALE Thursday, May 26 - East Lansing, Mich. 60—head of clean, healthy pure breeds—60

In the offering are daughters or granddaughters of such well known bulls as Langwater Steadfast 31672, Langwater Valiant 51868, May Rose King of the Ridge 48256, Coventry Rameses 76829, St. Austell Dreadnaught 34671 and Cramond Victor 46480

For catalogs address
W. D. Burrington, Field Secretary, Box 1018, East Lansing, Mich

SERVICEABLE AGE

REGISTERED HOLSTEIN

Bull Calves at prices the owner of a small herd can afford to pay. The sire of many of these calves is a Son of the highest record (30 lb.) two-year-old daughter of Creator. His sire is King Segis Alcartra Prilly, an undefeated Show bull with 70 A. R. daughters. Others sired by a 5 times 1200 lb. Champion Bull, the famous K. P. O. P. breeding.

Bred cows and heifers served by these sires are available for foundation stock.

RED ROSE FARMS DAIRY

Northville, Michigan

Telephone: 344

Reference: Northville State Savings Bank

SHORTHORNS

For sale, several good cows with calves at foot, and bred again. Also bulls and heifers sired by Maxwellton Mock or England Victor, two of the good bulls of the breed. Will make very attractive prices on all of these cattle. **GOTFREDSON FARMS, Ypsilanti, Mich.**

MILKING SHORTHORN BULL, born in January, 12 of his nearest grand dams have an average record of 10,751 lbs. **IRVIN DOAN & SONS, Crosswell, Mich.**

Shorthorns Best of quality and breeding. Bulls, cows and heifers for sale. **BIDWELL STOCK FARM, Box D, Tecumseh, Mich.**

Shorthorn Bulls For Sale

H. B. PETERS & SON, Carland, Mich.

HOGS

A Few good Hampshire spring boars at a bargain. Place your order for bred gilts. **JOHN W. SNYDER, St. Johns, Mich., R. 4.**

DUROCS BRED SOWS AND GILTS SERVICE BOARS

Cholera immune, popular blood lines, typy. **LAKEFIELD FARMS, Clarkston, Mich.**

FOR SALE Reg. O. I. C. boars and sows. Ready for breeding and service. All stock shipped on approval. No deposit required. **FRED W. KENNEDY, R. No. 1, Chelsea, Mich.**

CHESTER WHITES—Spring pigs by the Great Paramount Revelation 2nd, 1 fall boar and bred gilts. **JOHN C. WILK, St. Louis, Mich.**

CHOICE BOARS

Do you want a real show prospect for your County or State Fair? We have several outstanding Polands, of September farrow with best of Iowa breeding, you would be proud to own and show. Come see them or write. **WESLEY HILE, Ionia, Mich.**

LARGE TYPE P. C. Fall boars all sold. Gilts bred for fall farrow, bred to two best boars in the state, viz., L.'s Big Wonder by Smoothie Wonder and Big Stratton by Redeemer. **W. E. LIVINGSTON, Parma, Mich.**

LARGE TYPE POLAND CHINAS size and breeding to sell. **JAMES G. TAYLOR, Belding, Mich.**

HORSES

For Sale Black Percheron Stallion Magic II. No. 177070. A low, well-built horse, weight 2,000, four years old, right every way. **ROSCOE COWDREY, Ithaca, Mich., R. No. 3.**

AT THE TOP

A Colantha cow from our herd was high butter-fat cow in Cow Testing Association work in Michigan in 1925. This herd of cows averaged 11,988 lbs. milk and 688 lbs. butter in 1925.
Typey Colantha Bulls from cows standing high in Official and Cow Testing work insure unusual production. Ask us about them.

McPHERSON FARM CO.,

Howell, Michigan

HEREFORD STEERS

CALVES, YR'L'S & TWO'S. Well marked, best type, showing splendid breeding. Dark reds. Most all bunches dehorned. Good stocker order. Can show few bunches around 45 to 90 head. Each bunch even in size. Also a few bunches Shorthorn steers. Will sell your choice of one car load from any bunch. Write, stating number and weight you prefer, 450 lbs. to 800 lbs.

Van D. Baldwin, Eldon, Wapello Co., Iowa.

HEREFORD STEERS

110 around 550 lbs.; 120 around 600 lbs.
72 around 700 lbs.; 60 around 800 lbs.
2 loads Hereford steers.
C. F. BALL, FAIRFIELD, IOWA.

Choice Jersey Bulls ready for service, and bull calves, for sale from E. of M. dams accredited herd. **SMITH & PARKER, Howell, Mich.**



THE LATEST MARKET REPORT



GRAIN QUOTATIONS.

Tuesday, May 17.

Wheat.

Detroit.—No. 2 red at \$1.41; No. 2 white \$1.42; No. 2 mixed \$1.40.
Chicago.—May at \$1.41; July at \$1.35½; September \$1.32½.
Toledo.—Wheat, No. 2 red at \$1.41½ @1.42½.

Corn.

Detroit.—No. 2 yellow at 93c; No. 3 yellow 91c; No. 4 yellow 89c.
Chicago.—May at 84¼c; July 89½c; September 90¾c.

Oats.

Detroit.—No. 2 Michigan 58c; No. 3, 55c.
Chicago.—May at 48¾c; July 49½c; September 46c.

Rye.

Detroit.—No. 2, \$1.11.
Chicago.—May \$1.07½; July \$1.06½; September 98¼c.
Toledo.—Rye \$1.11.

Beans.

Detroit.—Immediate and prompt shipment at \$5.15 f. o. b. shipping points.

New York.—Pea domestic at \$5.25@5.75; red kidneys \$6.75@7.50 to the wholesalers.

Chicago.—Spot navy beans, Michigan choice hand-picked, in sacks, at \$5.25; dark red kidneys \$5.50.

Barley.

Detroit.—Malting 94c; feeding 86c.

Seeds.

Detroit.—Cash red clover at \$26.50; cash alsike at \$24; timothy, old \$2.50; new \$2.60.

Hay.

Detroit.—No. 1 timothy at \$17@18; standard \$16.50@17.50; No. 1 light clover mixed \$16.50@17.50; No. 2 timothy at \$15@16; No. 1 clover \$16@17; oat straw \$12@13; rye straw \$13@14.

Feeds.

Detroit.—Winter wheat bran at \$39; spring wheat bran at \$38; standard middlings at \$39; fancy middlings at \$42; cracked corn at \$36; coarse corn meal \$34; chop \$33 per ton in carlots.

WHEAT.

While the advance in wheat prices has been halted for the time being, the undertone remains strong and pros-

pects favor a further sale. The condition of winter wheat as of May 1 was officially reported at 85.6 per cent of normal, compared with a ten-year average of 83.7 per cent. Abandonment of acreage was only 8.4 per cent, compared with a ten-year average of 12.5 per cent. The yield indicated was 594,000,000 bushels, compared with the forecast of 549,000,000 bushels on the same date last year, and the final harvest in 1926 of 627,000,000 bushels. Domestic merchandising conditions remain favorable for firm prices.

CORN.

Corn prices continued to advance in the past week. Primary receipts have been below normal for nearly two months because of bad weather, the rush of farm work, and light farm reserves. As a result, the visible supply has decreased sharply in spite of moderate demand. From 49,000,000 bushels on March 19, it has declined to 35,000,000 bushels on May 7. Unofficial estimates indicate farm holdings of corn on May 1 to 710,000,000 bushels, compared with 996,000,000 bushels a year ago.

OATS.

The oats market has been strong along with other grains. Light receipts, a fair demand, sharp reductions in the visible supply, late planting, a reduced acreage, unfavorable soil conditions, and poor seed all are strengthening influences in the oats market.

BEANS.

Pea beans are showing a little strength, with prices tending upward, although trade is only fair. Red and white kidneys are irregular in quality, which interferes with their sale. In general market remains unchanged.

EGGS.

Fancy eggs continue scarce although receipts at leading distributing markets hover close to the highest on record at this season of the year. Practically every shipment contains more or less ordinary stock, which sells at a discount. Country collections are reported to be holding up in spite of cold wet weather in many sections. Low prices to consumers are widening the consumptive outlet for eggs, discounting to some extent the large supply. Prices are having some difficulty

in maintaining their present level, however, and are not likely to improve much until the flush period of production is definitely over.

Chicago.—Eggs, fresh firsts 22@23c; extras 25¼c; ordinary firsts 20@21c; dirties 20c; checks 20c. Live poultry, hens at 23@26¼c; broilers at 31@40c; roosters 13c; ducks 25@30c; geese at 16c; turkeys 25c.

Detroit.—Eggs, fresh candled and graded 23@23½c. Live poultry, broilers 47c; heavy hens 27c; light hens 24c; roosters 15c; geese 18c; ducks 32c pound.

BUTTER.

Butter production has gained sharply since the new season opened, and receipts at the four large markets are about 20 per cent larger than at the same time last year. Some grass butter is arriving as pastures are improving rapidly. The transition from hay to grass butter is always accompanied by poor quality butter, and stocks of medium and undergrades are piling up. Fancy butter is firmly held, although prices generally are irregular. Retail prices are finally reflecting the recent reductions in the wholesale market and consumption should widen as a result of the lower prices.

Prices on 92-score creamery were: Chicago 41¾c; New York 43½c.

POTATOES.

The potato market is strong again after a temporary spell of unsettled prices following a period of heavier receipts. Shipments of old stock are dropping off daily, however, as stocks in the country are cleaned up. Florida has passed the peak of shipments and other southern states are just beginning to ship, so that the strong market should continue. Higher prices for old potatoes are not unlikely before the end of the season. Northern round whites, U. S. No. 1, are selling at \$3.25@3.40 per 100 pounds, sacked, in the Chicago carlot market.

WOOL.

While wool prices are slightly lower than two or three weeks ago, a better undertone is apparent. Opinion is growing that the decline is practically at an end and that prices will strengthen for a while. Manufacturers appear to believe that the current prices are close to bottom levels. Enough of the new clip has been sold to remove some of the pressure from

that source, and dealers generally are more willing to buy than when prices were higher. The increase in consumption of combing and clothing wools since the first of the year, and the decline in imports have affected the supply situation enough to attract attention. The London auction stiffened up slightly after the decline shown at the opening. All influences considered, a period of strength in wool prices seems near at hand. The sale of the wools held by the Jericho pool to a Boston dealer at 30¼c was a feature of the last ten days. This compares with 34½c received last year and an average of 43¼c for the past seven years

GRAND RAPIDS.

Potatoes \$1.65@1.85 bu; asparagus \$1@1.50 dozen bunches; spinach 75c@ \$1 bu; rhubarb 65@75c bu; radishes, hothouse 50c dozen bunches; outdoor 35@45c dozen bunches; silver skin onions 25c bunch of 36 onions; leaf lettuce 14@15c lb; tomatoes \$3 per 7-lb. basket; cucumbers \$1.20@1.50 dozen; apples, Baldwins \$1@1.50 bu; Spies \$1.50@3 bu; Ben Davis 50@65c bu; wheat \$1.22 bu; beans \$4.55 cwt; pork 12@13c lb; beef 6@12c lb. lamb 30c; mutton 12@14c; old hens 20@24c lb; broilers 25@40c; eggs 21@22c; butter-fat 42c lb.

DETROIT CITY MARKET.

Apples 50c@\$3.50 bu; asparagus 60c @ \$1 dozen bunches; beets 90c@\$1 bu; cabbage 90c@\$1.50 bu; cabbage plants \$1@1.25 8-dozen flat; carrots \$1.25@1.75 bu; outdoor radishes \$1@1.50 doz. bunches; rhubarb 50@75c doz. bunches; green onions 50@70c dozen bunches; root parsley \$1@1.50 bu; potatoes \$1@2 bu; turnips \$1.50@2 bu; sorrel \$1@1.25 bu; spinach \$1@1.50 bu; tomato plants \$1.25 8-dozen flat; leeks 75c@\$1 dozen bunches; parsnips \$1.25 @1.75 bu; pansies \$1.50@2 per 15-box; vegetable oysters 75c@\$1 dozen bunches, eggs, retail 30@35c; hens, wholesale 30@32c; broilers, wholesale 46@48c; retail 48@50c; Leghorn broilers, wholesale 37@38c; veal 17@19c; hens, dressed 38@40c.

For the entire country, the supply averages 89.9 and the demand 88.4 per cent of a normal, giving the ratio of supply to demand of 101.7 per cent.

MICHIGAN BELL TELEPHONE CO.

Advises "Don't" Wait Until Midnight

MAKE your evening and night Long Distance calls early.

Rates are lowest between 8:30 p. m. and 4:30 a. m. There is no further reduction at midnight.

An evening reduced rate is effective from 7:00 to 8:30 p. m. Ask the Long Distance operator for further information



Live Stock Market Service

Tuesday, May 17.

CHICAGO.

Hogs.

Receipts 20,000. Market fairly active to shippers and traders; big packers showing resistance to a stronger trend; market mostly 10c higher than Monday's average; 10c up on pigs and packing sows; tops \$10.10; bulk better grade 150-200-lb. average at \$9.75@10; 210-240-lb. weight \$9.65@10; 260-325-lb. butchers \$9.40@9.65; most packing sows \$8.50@8.75; best pigs at \$9.50@9.75.

Cattle.

Receipts 11,000. Market on all classes mostly steady; yearling steers slow with Monday's decline; choice weighty kind scarce; best heavy steers \$13.65; bulk 1,000 lbs. about \$10; 1,175-lb. steers under \$10 in good demand; feeders scarce at \$8.50@9.50; weighty kind \$10 and better; weighty medium bulls \$7.25; vealers mostly \$10@11.50; outsiders \$12 and better.

Sheep and Lambs.

Receipts 9,000. Fat clipped lambs and springers opening slow at \$15 mostly; 25c lower than Monday; good California spring lambs \$16.75@17.50; few wool spring lambs \$13.50; bulk of desirable clipped lambs \$15.50; few cull clipped \$11.75@12.25; sheep weak to 25c lower; fat clipped ewes at \$7.50@8.75.

DETROIT.

Cattle.

Receipts 185. Market steady. Good to choice yearlings dry-fed \$10.00@11.00
Best heavy steers, dry-fed 9.50@10.75
Handy weight butchers... 9.50
Mixed steers and heifers 8.00@ 9.00
Handy light butchers... 8.00@ 9.00
Light butchers... 7.00@ 8.00
Best cows... 6.00@ 8.00
Butcher cows... 5.00@ 5.75
Cutters... 4.25@ 5.00

Canners... 3.75@ 4.50
Choice light bulls... 6.50@ 7.25
Bologna bulls... 5.50@ 7.25
Stock bulls... 5.00@ 6.50
Feeders... 6.25@ 8.25
Stockers... 5.50@ 7.75
Milkers and springers... \$60.00@110.00

Calves.

Receipts 717. Market steady.
Best... \$12.50@13.00
Others... 5.50@12.00

Sheep and Lambs.

Receipts 591. Market slow.
Best lambs... \$15.00@15.50
Fair lambs... 11.25@12.50
Light to common lambs... 6.00@ 9.75
Fair to good sheep... 6.00@ 8.00
Culls and common... 2.00@ 4.00

Hogs.

Receipts 2,208. Market 5@10c higher.
Mixed... \$ 10.15
Roughs... 8.50
Pigs, lights and yorkers... 10.15
Stags... 7.00
Heavies... 9.00
Extreme heavies... 9.00@ 9.50

BUFFALO.

Hogs.

Receipts 500. Market on light weight kind strong; 190 lbs. up 10@15c higher; 180 lbs. down, including pigs \$10.40 @10.60; 190-210 lbs. around \$10.30 @10.40; 220-240 lbs. \$10.15@10.25; few 250-300 lbs. around \$10.65@10.75; packing sows \$8.50@9.

Cattle.

Receipts 50. Market on most better grade cows steady.

Calves.

Market active, steady; tops \$12.50; culls and common \$9@10.

Sheep and Lambs.

Receipts 400. Nothing good here; no sales; market nominally steady; best fat lambs around \$15; culls and common grade \$9.50@10.50.



Polarine Costs Little— THE PERFECT MOTOR OIL **Saves Much!**

There is sound sense in the old saying about an ounce of prevention. It holds true for tractors. Keeping your tractor perfectly lubricated with Polarine is an ounce of prevention that costs little—and saves much.

Polarine is an economical motor oil. The enormous demand for Polarine has necessitated production on a vast scale, making possible the low price of this premium product.

Polarine *prevents* the trouble that makes repairs necessary. This ounce of prevention costs a lot less than a pound of cure! Repairs are an expensive cure!

Polarine is the good old stand-by on the farm—always the same—always dependable—always economical. Polarine lubricates every surface of the engine with a film of oil that protects it from friction and makes it run smoothly. Polarine takes good care of the expensive engine

in your tractor—keeps it in good health—running steadily, powerfully—at a minimum of cost.

Use Polarine regularly to lubricate your tractor and you'll lengthen the life of your expensive machine—save money by preventing the troubles that cause repair bills—and enjoy the satisfaction, besides, of seeing your work done *when* you want it done—*as* you want it done.

Polarine is one of the major products of the Standard Oil Company (Indiana), scientifically perfected after long years of work to meet *farm needs*. Different grades have been developed for different makes of tractors and the chart will tell you what grade your tractor requires.

To get Best Results—change your motor oil at frequent intervals.

For correct grade consult chart at Any Standard Oil Service Station.

Standard Oil Company, 910 So. Michigan Ave., Chicago
[Indiana]