

OUR RADIO DEPARTMENT

IMPROVING THE LOUD SPEAKER

By Frank Reichmann, B. S., E. M.
President of the Reichmann Company

We often speak of listening to radio, but in reality we listen to sound waves that have been set up by movement of the loud speaker or telephone diaphragm in the air. In a loud speaker these sound waves are amplified by a horn, and in the case of the telephones the sound is communicated directly to our ears.

The diaphragm is moved by some source, generally thought to be the current that comes from the radio set itself. This is true in a way, although the current does not directly move the diaphragm, instead it changes the magnetism of the electro-magnet employed in the unit. Changes in the magnetism of the pole pieces cause changes in the magnetic field, this in turn varies the amount of pull exerted by the magnet on the iron diaphragm. The diaphragm thus moves according to changes in the current that flows through the loud speaker or telephone windings through the medium of changes in the magnetic field of force.

It is at this point that many loud speakers waste energy. If there is an excess amount of wasted energy in the change from electrical current to magnetic force, and thence to movement of the diaphragm, the volume and tone of the loud speaker will immediately reflect this condition.

In electrical work, in motors and generators, the losses in the magnetic circuit are large enough to receive the attention of engineers. The iron in a motor will get very warm, due to the molecular friction caused by the rapid changes in the direction of flow of current which causes the molecules to align themselves into groups or chains and then disband. The losses caused by this action are called "eddy current losses" and are eliminated to a considerable extent by making the iron in very thin strips, called "laminations." The sheets are insulated from each other and built up by stacking to confine those stray currents to narrow limits.

Up to the present time the employment of laminated iron in radio instruments has been confined mainly to transformers. Experiments made by the Reichmann company in loud speaker work has proven that a considerable loss occurs in the pole pieces of loud speakers, if they are composed of solid pieces of iron.

Of course, this current loss is not

sufficient to cause the magnet to become warm but this is due to the fact that we are dealing with very small currents. Nevertheless, a portion of the current is lost through this friction. To lose even the smallest part of the current available for reproduction into sound waves is to cut down our volume and tone quality. The pole pieces of the new thorola junior loud speaker are accordingly constructed from thin laminations, or sheets of iron, instead of solid pieces.

SHIELDING OF TRANSFORMERS

By E. N. Rauland,
President All-American Radio Corp.

Since an audio transformer cannot be "homemade," it is not very surprising that there are a very large number of makes on the market. There are so many varieties that it is somewhat confusing to choose from among the best brand to use in the construction of a new receiver.

Some of this variety is due to the legitimate difference in opinion among engineers, but much of it is merely ornament that is calculated to help sell the instrument by improving its appearance. Nothing is gained in performance by the addition to an audio transformer of fancy miniature panels and cases of high insulating materials, and it is often desirable to have the case made out of iron or steel to act as a shield to prevent stray currents from spreading out from the instrument and interfering with other apparatus in the receiver.

Shielding of iron core transformers is a much-mooted question. Careful tests sometimes tend to prove that a well designed transformer requires no shield. Again, cases will appear in which certain noises seem to be traceable to magnetic leakage which should theoretically be negligible.

Whatever interference may really be likely to take place between transformers placed close together can be absolutely prevented by proper shielding, and this interference can thus be removed from the list of possible causes of any fault in reception. For this reason All-American transformers are thoroughly shielded.

Shielding of transformers provides a case to protect the coil windings and means of mounting the instrument, as well as confining stray currents to the transformer itself. When selecting your new transformers note if they are shielded, and if the binding posts are effectively insulated from the case by bushing.

Favored Varieties in the Commercial Apple Growing Sections of America

By C. P. CLOSE
United State Department of Agriculture

PROGRESS in commercial fruit growing means creation and elimination of all but the very best. It is well that our tastes and conditions differ somewhat or all growers would produce the same variety and all consumers would eat the same variety. As it is the growers grab every new variety in sight and the consumers buy mostly on color. **Sabbed Forty-One Useless Varieties**

No argument is necessary to convince us that too many commercial varieties of apples are being grown. In a western fruit magazine there were 55 varieties of apples listed in the color requirements list for the Pacific Northwest, 4 of these being summer varieties and 51 fall and winter varieties. Here are 41 varieties of the 51 which are a detriment to the fruit industry. They cause confusion in picking, grading, packing, loading, selling, book keeping, etc. Happily, the college, experiment station, and extension horticulturists are busy not only in the Northwest, but throughout the country, in inducing growers to limit their apple varieties to the fewest standard commercial sorts.

It was through the hearty cooperation of the state horticultural men just mentioned that the following discussion on varieties was made possible. The varieties recommended for any state are those given by the extension fruit specialist, or a college or station horticulturist of that state. The writer takes pleasure in giving credit to these men at this time for furnishing the recommended lists of their states.

There are at least 37 states which grew apples commercially although three or four are not heavy producers.

Varieties for the N. E. States

Beginning with the northeastern states of Maine, Vermont, New Hampshire, Connecticut, Massachusetts and including New York, the

the Stayman Winesap, Delicious, Jonathan and Grimes are mentioned for all; Oldenburg for all but Pennsylvania; Rome Beauty and Northern Spy for all but Maryland; York Imperial for West Virginia and Pennsylvania, but doubtful in Maryland; Wealthy for West Virginia and Ohio; Baldwin for West Virginia, Pennsylvania and Ohio; and Rhode Island Greening for West Virginia and Ohio. Besides these, Smokehouse, McIntosh and Stark are mentioned for Pennsylvania; Black Ben and Hubbardston for West Virginia; and Banana, Golden Delicious, Gallia Beauty, Red Rome and Ensee for Ohio. Of the summer varieties Yellow Transparent is mentioned for West Virginia, Yellow Transparent and Williams for Maryland and Yellow Transparent and Maiden Blush for Ohio.

Delaware, New Jersey and Virginia all approve of eight varieties, namely: Yellow Transparent, Oldenburg, Grimes, Jonathan, Stayman Winesap, Delicious, Rome Beauty and Paragon. Besides these, Williams, York Imperial and Winesap are mentioned for Delaware; Starr, Wealthy, McIntosh, and Stark for New Jersey; and King David, Virginia Beauty, Yellow Newtown, Winesap, York Imperial and Ben Davis for Virginia.

In the Southeastern States

In the southeastern group of states including North Carolina, South Carolina, Georgia, Tennessee and Kentucky, the Delicious, Winesap and Stayman Winesap are recommended for all. Rome Beauty is mentioned for Georgia, North Carolina and Kentucky; Paragon or Mammoth Black Twig for North Carolina, South Carolina and Georgia; Grimes for Kentucky and Tennessee; Yellow Transparent for Kentucky, South Carolina and Tennessee; Early Harvest for South Carolina and Tennessee; and Yates for South Carolina and Georgia. The other varieties for these states are King David for Kentucky; Oldenburg and York Imperial for Tennessee; Red June, Williams and Bonum for North Carolina; Wilson Red June for South Carolina; and

Intosh, Northern Greening and Wolf River for the Upper Peninsula of Michigan.

The Mississippi Valley

Winesap, Jonathan, Grimes, Stayman Winesap and Yellow Transparent are recommended for each of the group of states including Kansas, Missouri, Oklahoma and Arkansas. York Imperial and Wealthy are approved for Kansas and Missouri, and Delicious for Kansas, Missouri and Arkansas. The scattering varieties are Rome Beauty, Gano and Oldenburg for Missouri; and Collins, Ben Davis, Maiden Blush, Williams, Live-land and Early Harvest for Arkansas.

West of the Lakes

Minnesota, Wisconsin and northern Iowa cover a section requiring hardy varieties. Wealthy and Northwestern Greening are the only varieties mentioned for all three states. Besides these two varieties, Brilliant and Tolman are recommended for northern Iowa; Oldenburg for Minnesota and northern Iowa; McIntosh, Delicious and Fameuse for Wisconsin; and Anisim and Patten and, in favored locations, McIntosh and Delicious for Minnesota.

Iowa and Nebraska

Oldenburg, Jonathan and Grimes are favored for central and southern Iowa and for Nebraska. Wealthy is recommended for central Iowa and Nebraska; Winesap and Delicious for southern Iowa and Nebraska; Northwestern Greening for central and southern Iowa; Fameuse for central Iowa; Gano, Black Ben and Willow for southern Iowa; and Stayman Winesap, Virginia Beauty, York Imperial and Missouri for Nebraska.

Utah, Colorado, New Mexico

Jonathan and Rome Beauty are first choice in Utah, Colorado and New Mexico (Rome Beauty for high altitude in New Mexico). Other first choice varieties for Utah are Delicious, Gano and Banana. Second choice varieties for Colorado are Delicious, Grimes, and Winesap or Stayman Winesap; for Utah they are



OUR POULTRY DEPARTMENT

WINTER MANAGEMENT OF LAYERS

The problem of winter management is to create an environment that approaches the conditions of spring, which is the natural laying season of the hen. The creation of this artificial condition largely determines the ability of the producer to get good results.

Proper feeding of such rations as we have recommended from time to time is the first essential to securing good egg production. It is important that the hens have an abundance of food and balanced ration. Succulent material, such as roots or sprouted oats must be fed in order to promote health and to stimulate egg production. Proper feed will vary with the weather, the age of the birds and the breed, but the general requirements are similar.

Exercise is the second essential for laying hens. More care is necessary with the heavier breeds than with Leghorns. The larger birds are more apt to sit around and not exercise. When this happens they take on fat. When birds are confined their chief source of exercise is scratching for their feed in deep litter. It is necessary to confine birds in winter in order that other conditions can be kept under control.

Sanitation around the poultry house is essential to health. The breaking out of head colds or a general roopy condition immediately reduce egg production. The essentials from a sanitary standpoint are frequent removal of droppings, keeping the litter in good condition and the general cleaning and spraying of the house at least twice a year.

The time and frequency of removing the droppings will depend upon the weather. It is a good plan to clean out the droppings whenever they become moist, for they give off objectionable odors when damp. Some people use absorbents such as dust or sand which makes it possible to delay the cleaning. Ordinarily, the droppings should be cleaned out three times a week.

Old litter should be removed when it becomes fine or packs down so that it does not hide the grain, when it becomes moist or damp, or whenever it becomes much soiled. A good plan is to start in the fall with two or three inches of litter and gradually add fresh litter as needed. Generally it is necessary to clean out all of the litter at least three or four times during the winter.

Careful attention to details and regularity in management are important in successful management. If the hens are accustomed to receiving feed at a certain time they will wait for it and if it is not received it will throw them off their schedule.

The ventilating system of the house will need constant changing to meet changing conditions of the weather. No system of ventilation has ever been devised that is automatic.

DON'T DOPE THE CHICKENS

Proper medical attention is important in treating any disease, but continual dopping of chickens for some imaginary trouble is expensive and does the chickens more harm than good.

If the chickens have worms, they should receive some worm medicine. However, if they are not doing well on account of not receiving a well-balanced ration, worm medicine will do them little good. In other words, the first step in doctoring poultry is to find out the cause of the trouble. Shot-gun prescriptions used to be popular in the poultry business, but today the remedies that are winning friends are those that are helpful in curing some specific disease.

Proper feeding, well-ventilated houses, regular care and attention to sanitation are the most important preventives of common winter diseases. Birds that show signs of disease should be immediately isolated and clean-up measures inaugurated. Generally, the alert poultry keeper can do more by disease prevention than by attempting to cure sick birds. Such attention checks outbreaks at the start so that but few birds are affected and the loss is kept at a minimum.

By adopting this policy, birds can be treated for some specific trouble and the chances for overcoming the trouble are multiplied many times.

It is just as important to keep a clean hen house as it is to remove dirt and foul smelling filth from your stable. It's easier to keep hens healthy than it is to doctor sick specimens. In winter, the problem of sanitation is especially pressing.

As soon as you find a sick bird in your hen house, take it out and if the illness seems serious, sick birds should be killed and burned at once. Don't bury such birds and thus contaminate the soil. A little kerosene sprinkled over the feathers will kill the evil effects of the disease if you set fire to the kerosene.

McIntosh, Baldwin, Delicious and Wealthy are the only varieties recommended for the whole section. Northern Spy is mentioned for all but Connecticut and Massachusetts; Wagener for New York, New Hampshire, Massachusetts and Connecticut; Oldenburg for Massachusetts and Connecticut; Gravenstein for Connecticut, Maine, New Hampshire and Massachusetts; Rhode Island Greening for Maine, Vermont and New York; Tompkins King, Twenty Ounce, Opalescent, and Rome Beauty for New York, and Northwestern Greening, Tolman, Fameuse and Banana for Vermont.

The Middle States

In the next group of Pennsylvania, Maryland, West Virginia, and Ohio, the Stayman Winesap, Paragon, Arkansas Black, Grimes, Rhode Island Greening and Northwestern Greening. At all altitudes in New Mexico Stayman Winesap, Delicious, and Wilson Red June are recommended. Arkansas Black is suited to low altitudes and Rome Beauty, White Pearmain and McIntosh to the high altitudes.

The Northwest

The first choice for Washington is Winesap, Delicious and Banana. For Oregon it is Winesap, Delicious, Jonathan and Rome Beauty. The second choice in Washington is Jonathan in protected places, Esopus, Rome Beauty, Stayman Winesap, Black Ben and Yellow Newtown. In Oregon second choice is Arkansas Black, Paragon, Stayman Winesap,

years ago is replacing the old varieties, although several are very promising.

The selection of varieties to plant is most important and good judgment on this point spells success while a mistake means disappointment and perhaps failure. Since no one knows what the future will demand in apple varieties we must necessarily be guided by the present trend of markets in recommending and planting varieties for the future.

It is believed that this information on apple varieties is the best information available at this time.

(* Presented at the meeting of the American Pomological Society at Atlantic City, N. J. November 11, 1924.)

Fruit Storage Secrets

There is often great waste of fruit stored in cellars, particularly apples, which is easily avoidable with a little extra care. The chief source of loss is the spread of rot through barrels or boxes of apples, one apple decaying and conveying the spores of the fungus to all the other apples in the barrel if not checked in time.

In addition to loss by rot, the apples when not infected sometimes shrivel and lose flavor although remaining sound. When apples are exposed to the direct contact of the air in the cellar they lose moisture by evaporation and with the loss of moisture comes a corresponding loss of flavor and quality and the apple withers and becomes tough.

If the apples are of good quality and carefully selected at the start, they should be wrapped individually in pieces of paper. In this manner should one of the apples rot, the rot will not be communicated to its neighbors and the loss from this cause will

be reduced to a minimum. If this is regarded as too much trouble, papers placed between layers of apples in the box or barrel will minimize the trouble from rot to some extent, although some of the layers may be badly affected.

In order to avoid loss of moisture from too rapid evaporation, the apples should be placed in paper-lined barrels or boxes and cover the box with a lid or tie paper over it.

Some varieties, such as Baldwin, York Imperial, Grimes Golden and White Pippin are subject to storage scald. These should have some circulation of air in the container. They should be wrapped in oiled paper or two pounds of shredded oil papers scattered through the barrel will give protection, as the oiled paper seems to absorb the gases given off by the apples which apparently causes the scald.

It is always best to wrap at least a portion of the apple supply individually to be sure of preserving their quality.

Grafting Grapes

Propagating grapes by grafting desirable varieties on hardy root stocks has decided advantages over the usual method of propagation, chief among which are greatly improved quality of fruit and increased yield, says the grape specialist of the New York State Agricultural Experiment Station, who has been conducting experiments with grafted grapes for the past several years.

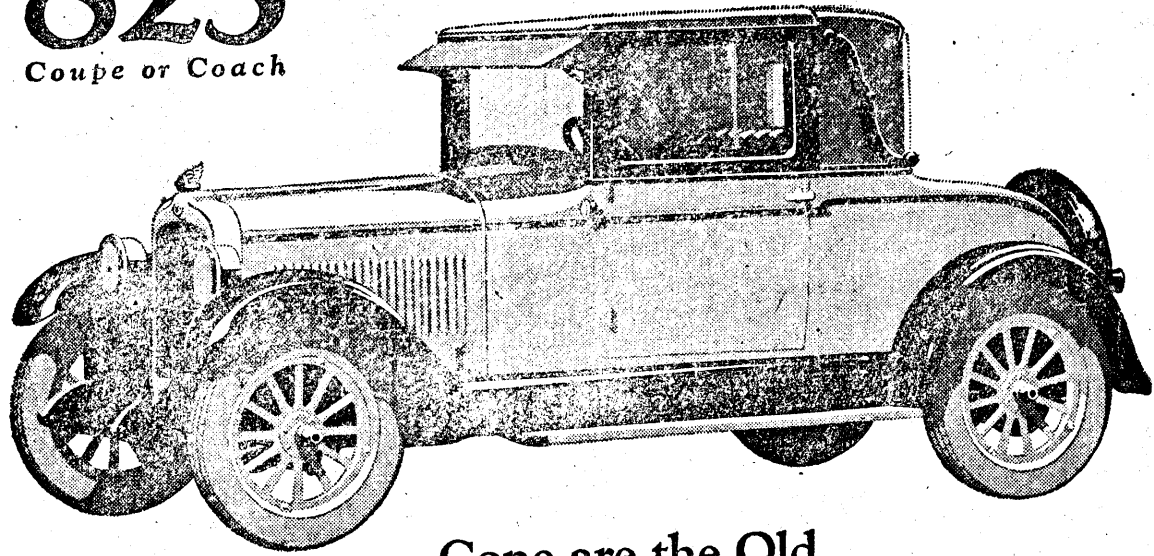
Such excellent varieties of American grapes as Delaware, Campbell, Niagara, Concord, Iona, Catawba, etc., have certain defects which detract from their value as commercial possibilities, says this authority. Some of them set more fruit than they can mature; some are erratic in their bearing habits and are over-sensitive to soil conditions; while some have the "off-year" habit to a marked extent or tend to "run-out"

or deteriorate in yield and quality. Although grafting is not a cure-all, many of these defects have been overcome by grafting these varieties on hardy root stocks, declares the Station specialist.

Clinton, Riparia Gloire, and Rupertia St. George were used as root stocks in the Station experiments and the standard varieties bench-grafted on them by the whip-and-tongue method. Records have now been obtained for a sufficiently long time to show that American grapes can be materially improved in quality, that yields can be increased, and that more vigorous vines can be obtained by bench-grafting desirable varieties on suitable stocks.

The cost of grafting is a serious handicap to the method coming into general use until more economical processes can be perfected. It is said. Indications are, however, that newer methods will soon follow, and in the meantime grape growers are urged to give the method a trial on a small scale.

\$825
Coupe or Coach



Gone are the Old Penalties of Low Price

Until the new Pontiac Six was developed, it was literally impossible to buy a low priced six without accepting certain admitted penalties—those of ordinary beauty, ordinary performance, ordinary comfort and ordinary stamina.

Now the new Pontiac Six changes all that. Developed by engineers who could draw on the almost limitless resources of General Motors, it provides not only the economy of an unexpectedly low price—but every characteristic of high quality.

It provides the striking beauty of a

smart, roomy Fisher Body; complete freedom from pitching, side-sway, and gallop; entirely new qualities of get-away, speed, smoothness and power; and above all, a stamina and long life that can be achieved only by the strictest standards of design, material, workmanship and inspection.

And because it gives all that it does at so low a price, the new Pontiac Six has won from the very hour of its public presentation a wildfire reception, the like of which no other new six has ever enjoyed before.

Oakland Six, Companion to the Pontiac Six—\$975 to \$1295. All prices at factory

E. A. MARCY, Gobles, Mich.
Carroll Hendricks, Mgr

PONTIAC SIX

CHIEF OF THE SIXES



—yet Unmatched Smoothness

Sixty miles an hour and more is not uncommon among able motor cars. But sixty miles and more with perfect smoothness and steadiness is rare—so rare as to be virtually exclusive to the Oakland Six.

This unmatched freedom from vibration at all speeds is made possible by a new invention, The Harmonic Balancer, described by automotive engineers as the outstanding achievement in years.

If you have not seen The Harmonic Balancer—if you have not tested its amazing effect upon car performance—drive the new Oakland Six and experience the new thrill of an unvarying smoothness.

OAKLAND SIX \$975 to \$1295—Pontiac Six \$825, Coupe or Coach
All prices at Factory

E. A. MARCY, Gobles, Mich.
Carroll Hendricks, Mgr.

WINNING AND HOLDING GOOD WILL

OAKLAND SIX

COMPANION CAR TO THE PONTIAC SIX

PRODUCT OF GENERAL MOTORS

Dispersal Sale
17 Head Registered Polled Durham Cattle

At Thos. Rutherford farm, 4 miles south, 1 mile east of Decatur, 1/2 mile off gravel road by way of Volinia, Cass county

Tuesday, March 23 at 10 o'clock

Cattle all t. b. tested. Herd includes 14 cows and heifers, herd bull and 2 young bull calves. Representing some of best blood strains. Catalogue mailed on requested. Horses, Hogs, Sheep and Farm Implements also sold

Thos. Rutherford & Son, Decatur, Mich., R 3

ANNUAL FIREMEN'S BALL

Gobles Opera House March 25, '26

GOOD Music Floor Caller Time

Every third dance a square

A DANCE FOR BOTH YOUNG AND OLD

COME Biggest Dance for This Season COME Be on time for the Grand March at nine

Registration Notice

For Township Election Monday, April 5, 1926 To the Qualified Electors of the Township of Pine Grove, Precincts No. 1 and 2, State of Michigan Notice is hereby given that in conformity with the "Michigan Election Law" the undersigned Township Clerk, will, upon any day except Sunday and a legal holiday, or the day of any regular or special election, or official primary election, receive for registration the name of any voter in said Village not already registered who may APPLY TO ME PERSONALLY for such registration. Provided, however, that I can receive no names for registration during the time intervening between the Second Saturday before any regular or special election, or official primary election and the day of such election.

The last day for General Registration does not apply to persons who vote under the Absent Voters' Law. (See Registration by Affidavit) MARCH 27, 1926—LAST DAY for Registration by Personal Application for said election. Notice is further hereby given that I will be at P. F. Peaty's Office in Gobles on Saturday, March 27, 1926 and at J.N. Waber's store in Kendall, Mar. 13 and Mar. 20 A.D. 1926

From 8 o'clock a. m. until 8 o'clock p. m. on said day for the purpose of REVIEWING the REGISTRATION and REQUESTING such of the qualified electors in said township as SHALL PROPERLY apply therefor. The name of no person but an ACTUAL RESIDENT of the precinct at the time of registration, and entitled under the constitution, if remaining such resident, to vote at the next election shall be entered in the registration book.

Registration by Affidavit Sec. 10—Registering of Electors: Regular session of 1925—Any absent voter, as defined in this act, whose name is not registered and who shall claim the right to vote by absent voter's ballot at any election or primary election, may at the time of making application for absent voter's ballot, present to the township clerk an affidavit for registration which shall be in substantially the following form:

AFFIDAVIT FOR REGISTRATION State of Michigan ss County of _____ ss I, _____, being duly sworn, depose and say that I am a citizen and a duly qualified elector of the _____ precinct of the township of _____ in the county of _____ and State of Michigan; that my postoffice address is No. _____ street _____ of R. F. D. No. _____ P. O. _____ that I am not now registered as an elector therein and that I am now registering as an elector therein and that I am voting

by absent voter's ballot at the election (or primary election) to be held upon the _____ day of _____ 1926, the application for which ballot accompanied this application; that I make this affidavit for the purpose of procuring my registration as an elector in accordance with the statute; that I make the following statements in compliance with the Michigan Election Law: Age _____ Race _____ Birthplace _____ Date of naturalization _____ I further swear or affirm that the answers given to the questions concerning my qualifications as an elector are true and correct to the best of my knowledge and belief. Taken, subscribed and sworn to before me this _____ day of _____ 1926. My commission expires _____ 1926. Signed _____ Notary

Registration of Absentee by Oath Section 9.

If any person whose name is not registered shall offer and claim the right to vote at any election or primary election, and shall under oath state that he or she is a resident of this precinct and has resided in the Township Twenty Days next preceding such election or primary election, designating particularly the place of his or her residence that he or she possesses the other qualifications of an elector under the constitution; and that owing to the sickness or bodily infirmity of himself or herself or some member of his or her family, or owing to his or her absence from the Township on public business or his or her own business, and without intent to avoid or delay his or her registration, he or she was unable to make application for registration on the last day provided by law for the registering of electors preceding such election or primary election, then the name of such person shall be registered, and he or she shall then be permitted to vote at such election or primary election. If such applicant shall in said matter willfully make any false statement, he or she shall be deemed guilty of perjury, and upon conviction, be subject to the pains and penalties thereof. Provision in Case of Removal to Another Precinct

Section 11. Any registered and qualified voter who has Removed from One Election Precinct of a Township to another election precinct of the same Township shall have the right, on any day previous to election, or primary election day, on application to Township Clerk, to have his or her name transferred from the registration book of the precinct from which he or she has removed to the registration book of the precinct in which he or she then resides. Such elector shall have the right to have such transfer made on any Election, or Primary election day by obtaining from the board of inspectors of such election or primary election or the precinct from which he or she has removed a Certificate of Transfer and presenting the said certificate to the Board of Election Inspectors of the Precinct in which he or she then resides.

Dated February 5, 1926. J. N. WABER, Clerk of said Township.

BASE LINE

Gail Dannenberg of Grand Rapids was home over Sunday.

Mrs. Robert Banks and son and Miss Margaret Banks called on Mrs. L. Woodruff Thursday afternoon.

Will Pullen and wife were in Gobles Sunday to aid at the fire at J. Eastman's house.

Will Pullen and family, Lester Woodruff and wife attended a party at the home of George James Friday evening of last week.

Mr. and Mrs. Brown and Steve Shultz passed Sunday evening at W. Pullen's.

Will Pullen and wife took dinner with Cap. Stockham and wife and attended the caucus in Bloomingdale.

Floyd Lukins and family of Kalamazoo visited at the homes of Wilmot and Merriam Sunday.

Mr. and Mrs. Elmer Fuller who have moved from Detroit to Bloomingdale passed Thursday with M. Wilmot and family.

M. Wilmot and family, Mr. Wood and Mr. and Mrs. Walker helped Mrs. Helen Merriam celebrate her birthday Wednesday of last week.

Mr. and Mrs. Otho Walker passed one evening last week at the home of Will Pullen.

Mrs. Frank Forster of Merson called on Mrs. Lester Woodruff last Thursday.

Robert Banks and family were Sunday visitors at L. Woodruff's. Mr. Welbaum called on Wm. Dannenberg and wife Saturday.

FOR OVER 40 YEARS

HALL'S CATARRH MEDICINE has been used successfully in the treatment of Catarrh. HALL'S CATARRH MEDICINE consists of an Ointment which Quickly Relieves by local application, and the Internal Medicine, a Tonic, which acts through the Blood on the Mucous Surfaces, thus reducing the inflammation. Sold by all druggists. F. J. Cheney & Co., Toledo, Ohio.

Hudson Lodge No. 326, F. & A. M. Meetings the First Thursday evening of each month Visiting Brothers Always Welcome WM. J. DAVIS, W. M. E. L. Sooy, Sec.

ALBERT J. FOELSCH, M. D. Physician and Surgeon. Office at residence across from Baptist church Both phones GOBLES, MICH

G. M. WILEY, M. D. PHYSICIAN AND SURGEON Office Hours: 1 to 3 p. m. Except Sunday Office at residence Call either phone Gobles, Michigan

Baster Lily Chapter No. 280, O. E. S. Meetings First Tuesday of Each Month Visiting members always welcome MARGARET EVEREST, W. M. Elizabeth Upham, Sec.

SUBSCRIPTION PRICE \$1.50 A YEAR ADVANCE IN CANADA \$2.00 3 months, in advance. 50 cents 6 months, in advance. 1.00

ADVERTISING RATES Business Locals, 5 cents a line per week Church Notices, half price. Cards of thanks, obituaries and resolutions are to be paid for in advance. ALL Poetry 5c per line, in advance. Copies of the paper, 5c each. Copies of the paper are not included in obituaries or cards of thanks. Copy for advertising must reach this office not later than Tuesday noon. All that come in later can be laid one side until the last of the following week. Resolutions, 75 cents per set.

WAGERTOWN Vernon Healy and family spent Sunday with her mother, Mrs. Haven of Bloomingdale. Emma Eastman of Kalamazoo spent Sunday at home. E. V. Wood spent Sunday with Mr. and Mrs. Geo. Bell.

Olga Reed and Ruby Holderman and children spent Monday night and Tuesday with Mrs. Holderman. Mr. and Mrs. John Beeman spent Sunday with Mrs. Day and family at Gobles.

Aged Students Cato at eighty, took it into his venerable head to learn Greek and Plutarch, almost as late in life, learned Latin. Theophrastus began his work on the characters of men at ninety. His literary labors were ended only by death. Socrates learned to play on musical instruments when well advanced in life. Colbert, the famous French statesman, returned at sixty to his Latin and law studies, and the great Doctor Johnson applied himself to Dutch but a few years before his death. Then there is the now forgotten Marquis de St. Aulaire, who was once regarded as a remarkable prodigy. At the age of seventy he began to write poetry and contemporaries declared that his verses were "full of fire, delicacy and sweetness."

FULLER Kalamazoo Phone 212
One Night Only
MONDAY, MARCH 22
WELCOME RETURN—IT'S IN THE AIR
H. H. Frazee's Round-the-World Musical Comedy Sensation
No No Nanette
Same Brilliant Company headed by
John Hyams and Leila McIntyre
Same Gorgeous Garden of Girls
Same Splendid Production
Same Riot of Song Hits
A Rare Delight—A Joy Forever
SAME PRICES: \$3, \$2.50, \$2, \$1.50, 50c. Plus Tax
Seats on Sale Friday, March 19
Mail Orders Accompanied by Check Now

New Paw Paw Theatre PROGRAM
Friday, March 19 "After Dark" Featuring Charles Hutchinson The Dare Devil Thrill Creator News and Comedy
Saturday, March 20 Jack Hoxie in "Two Fisted Jones" ALSO TWO PART COMEDY SPECIAL MATINEE Adults 15c Children 5c
Monday, Tues., March 22-23 "Drusilla With a Million" Featuring Kenneth Harlan, Mary Carr and Priscilla Bonner Also Good Comedy
Wednesday, March 24 "The Red Lily" Featuring Ramon Navarro and cast including Enid Bennett, Wallace Beery and Rosemary Theby The Green Archer No. 4
Thursday, March 25 "The Story With a Name" with Agnes Ayers and Antonio Moreno ALSO TWO PART WESTERN
Sunday, March 21 Edwin Lowe in "Champion of Lost Causes" Also Good Comedy

Patronize Our Advertisers

Triple Victory for Kansas Venus



Ramona Marcella Trees, Winfield, Kan., winner of two beauty contests Washington, D. C., where she is a student. She was queen of beauty at in her home state, has just captured a third at National Park Seminary, the last international petroleum congress.

Food and Exercise Are Most Important Factors

The Massage
 Rightly applied, massage is a sovereign remedy for many ills; wrongly applied, the remedy merely increases the evil. The general principles of massages are that it must be light, firm and always outward and upward. The movement is semicircular.

For the lines running from the nose to the mouth rub upward toward the lobe of the ear; also gently pinch the line between thumb and fingers.

To reduce a double chin, in addition to the exercises of bending the head slowly backward and forward and from side to side, massage with the balls of the thumbs, beginning in the center of the chin and rubbing upward toward the ears.

To remove the "frownie" lines between the eyebrows, and lines across the forehead, begin with the outer end of the eyebrow and rub upward toward the temple; proceed across the entire forehead, rubbing up to the roots of the hair; also pinch the lines between the eye-brows gently between thumb and forefinger.

For crow's feet around the eyes, rub very gently upward and outward.

For fallen cheeks, bags under the eyes, etc., begin at the corner of the nose and rub upward to the corner of the eye.

Always use the skin food or cold cream that suits one's skin.

All parts of the body may be strengthened, stimulated, and therefore filled out or reduced, by the proper use of massage.

Health and Beauty Hints Involved in Reduction

Those who endeavor to reduce their weight must keep it in mind that too rapid reduction is dangerous. In general a loss of 2 pounds the first week and 1 pound a week thereafter is safe. It should not be necessary to say that no drugs or patented preparations should be used; some of them are extremely dangerous.

The factor involved in weight reduction are food and exercise. There are a few cases where obesity is a disease and must be treated by a physician, but in general it can be safely said that those who are gaining weight are eating more than their bodies can use.

The principles of diet for weight reduction may be summed up:
 Eat less fat, less butter and butter substitutes; less fried food, less fat meat, gravies, salad dressings made from oil or butter, less cream sauce, whole milk, or cream cheese. Eat less sugar, candy, marmalades, jams, preserves, potato, rice, bread, and other cereals.

Eat more food of high cellulose (fibre content), as these give bulk to a meal and properly prepared will satisfy hunger without allowing the formation of fat. Examples of such foods are root and leaf vegetables served without fat or cream dressing; greens (such as lettuce, spinach, kale, turnip and beet tops, and dandelion greens), salads with salt and vinegar or lemon juice, or with acid and a very little oil—or much salad and little dressing; cabbage, cauliflower, brussels sprouts, carrots, turnips, onions, squash, and pumpkin.

In order to satisfy hunger, foods of low food value and of high water contents can be eaten between meals. These foods are beverages and soups without much sugar, starch, or fats, such as clear soup, black coffee, clear tea.

TODAY'S RECIPES

Health Oatmeal—Cook oatmeal in usual way, one cup oatmeal to two cups boiling water; salt to taste, add to this one-half cup bran and one-half cup raisins.

Beef Tongue en Casserole—Select a fresh beef tongue. Cover with water and simmer until tender or until the fork will go into the fleshy part easily. Remove from stock, let stand two or three minutes, skim, place in a casserole (or roaster). Dice or slice three carrots, four or five stalks of celery, two medium-sized turnips and one onion. Put these vegetables around the tongue. Thicken enough of the broth, as you would for gravy and pour over the tongue and vegetables. Cover and place in the oven for one and one-half hours. Remove cover last half hour to brown.

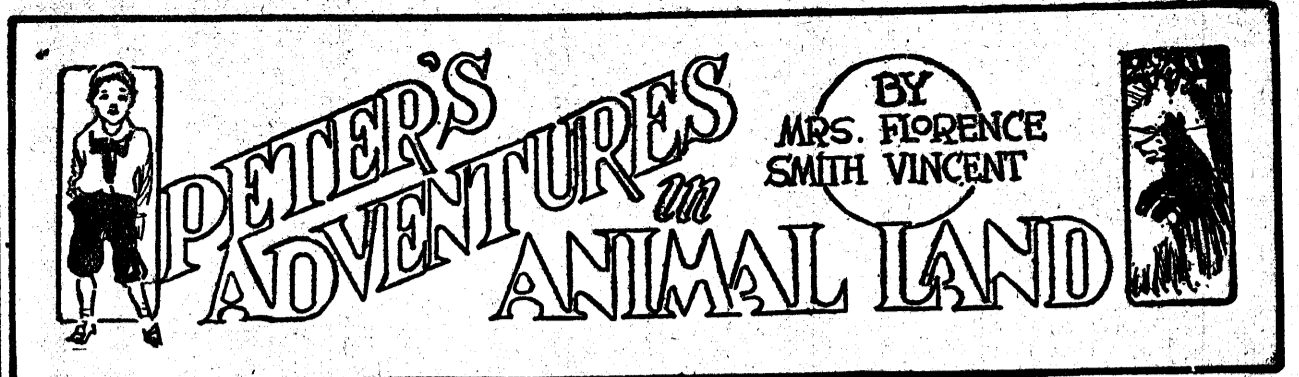
Whole Wheat Muffins—One egg, one cup sugar, two cups buttermilk, one teaspoon soda, one teaspoon salt, three teaspoons melted shortening, four and one-half cups whole wheat flour. Beat egg and sugar together, add salt, then buttermilk. Dissolve soda in one tablespoon water, add to buttermilk. Stir in flour and lastly fold in melted lard.

WATER DRINKING HABIT

Children should be trained early in the habit of drinking water. Even the baby should be given sterilized water between feedings. The child that is old enough to feed itself should be encouraged to drink water between meals as well as at meal time. Once the habit is formed no urging will be necessary.

sheer fabric may be added at the back, being stitched into the shoulder seams. Medium size requires 3 yards 36-inch material.

Pictorial Review Printed Pattern No. 2996. Sizes, 14 to 18 years and 34 to 42 inches bust. Price, 45 cents.



RUNNING AWAY FROM HIMSELF

Louder grew the lowing of the cattle coming home to rest after their day in the field. By twos and threes they came out of the Great Woods and ambled down the long lane that led toward the barnyard. Peter the boy could hear the gentle creatures discussing family affairs as they browsed. And Mr. Cow—just as he should have done—was keeping eyes and ears wide open to make sure no harm came to the herd.

"This is the wrong side of the fence for me," muttered Growly the Bear. "If only I could squeeze through these bars, but 'tis too late in the season. I am too fat! Nothing for it but for me to climb over the top and before I am half way over some creature in that crowd will spy me."



"What? Running away?" gasped Peter, who couldn't believe his ears. "And I thought all Bears were brave! And running away from a Cow!"

"Not from a cow at all but from myself," grunted Growly, and without more ado began climbing the bars, and Peter, who didn't understand things at all, followed him. For one thing he had become quite fond of the shaggy fellow and then, too, he wanted to find out what it was all about.

Growly could climb, but he was clumsy, and, sure enough, just as he himself had guessed, he was spotted

long before he could clamber out of sight.

The dust began to fly. Mr. Cow was digging it up with his front feet and with head erect was bellowing scornful threats at the Bear.

"Hurry, hurry! I must hurry!" Growly was muttering to himself. "One look at the foolish animal and I shall lose my head. Ugh! Ugh! Over at last and out of trouble for this time at least."

Once on the other side of the fence Peter's curiosity got the better of him and he turned to stare through the bars at the strange actions of the herd.

Not a Cow was grazing. In frightened groups they were clustered about their brave protector, who, in a voice like thunder, continued to bellow dreadful things at Bear.

"You great big bully! Why don't you stay and fight? All fat and fur and not a bit of courage in your huge body. Well, I know why you don't dare to face me! You are too sure I'd win! I'd toss you into the air and jump on you with all four feet, that's what I'd do. Brrrrr! Run, you cattle thief, run! But I shall get you yet!"

Peter could have sworn that Mr. Cow's eyes flashed fire as he tore toward the fence, but he didn't wait to make sure. The Boy whirled about and ran after Growly as fast as his legs would carry him, and he never stopped until, by the side of his shaggy friend he dashed around the Big Rock into the Woods at the far end of the field.

Wrought iron furniture, a single piece—plant stand or small marbled table, gracefully wrought—can do a great deal toward achieving a lighter effect in a room that is too heavily furnished. The delicacy of wrought iron silhouetted against a lightly tinted background always is refreshing, but sometimes one forgets the value of the lovely scrolled iron pieces when one racks her brains for some means to lessen the effect of ponderosity in a room.

For cleaning little brass figurines, call bells, ash trays, etc., a cut lemon rubbed over their surface is good. Rinse off the acid carefully with hot water when the dirt is removed, then polish with dry, soft cloths, finishing with soft chamois.

Children's Pictorial Cross Word Puzzle



Running Across.
 Word 1. Animal in the picture.
 Word 4. Active strength or force.
 Word 5. The opposite of late.

Running Down.
 Word 1. A seaport of France.
 Word 2. Keenly desirous.
 Word 3. To deck or dress up.

Answer to Last Week's Cross-Word Puzzle



The Weekly Fashion Hint

Trim Tailleur Pleases Milady



Trim Tailleur Pleases Milady

However attached one may be to the frills and furbelows of what is usually alluded to as strictly feminine fashions, there are times when one yearns for the smart simplicity of the tailored suit. It has a certain air of sophistication about it that no other garment has.

One of new O'Rossen suits is pictured here. O'Rossen, you know, is one of the smartest of the Paris couturiers and specializes in the chic tailleur. The coat is long, as you see, coming almost to the bottom of the skirt, and is fastened by a single button.

The one concession to the feminine love for ruffles is the blouse worn with the suit, which a pleated frill down the front. The little high hat

carries out the tailored effect as do the nobby walking pumps.

The cape coat is the newest variant of the tailored suit. All the smartest couturiers on both sides of the Atlantic have been showing models in styles of interest and originality. For instance, a cape coat which is the last word of chic is shown by a prominent New York shop.

This is a black and white check lined with flame-colored crepe. The coat is cut on the usual straight lines, is double breasted and fastened with black bone buttons. The cape hangs to the neckline, but swings in fullness toward the back. Box pleated, very full ruching of black taffeta is used to trim the neck in place of a collar.

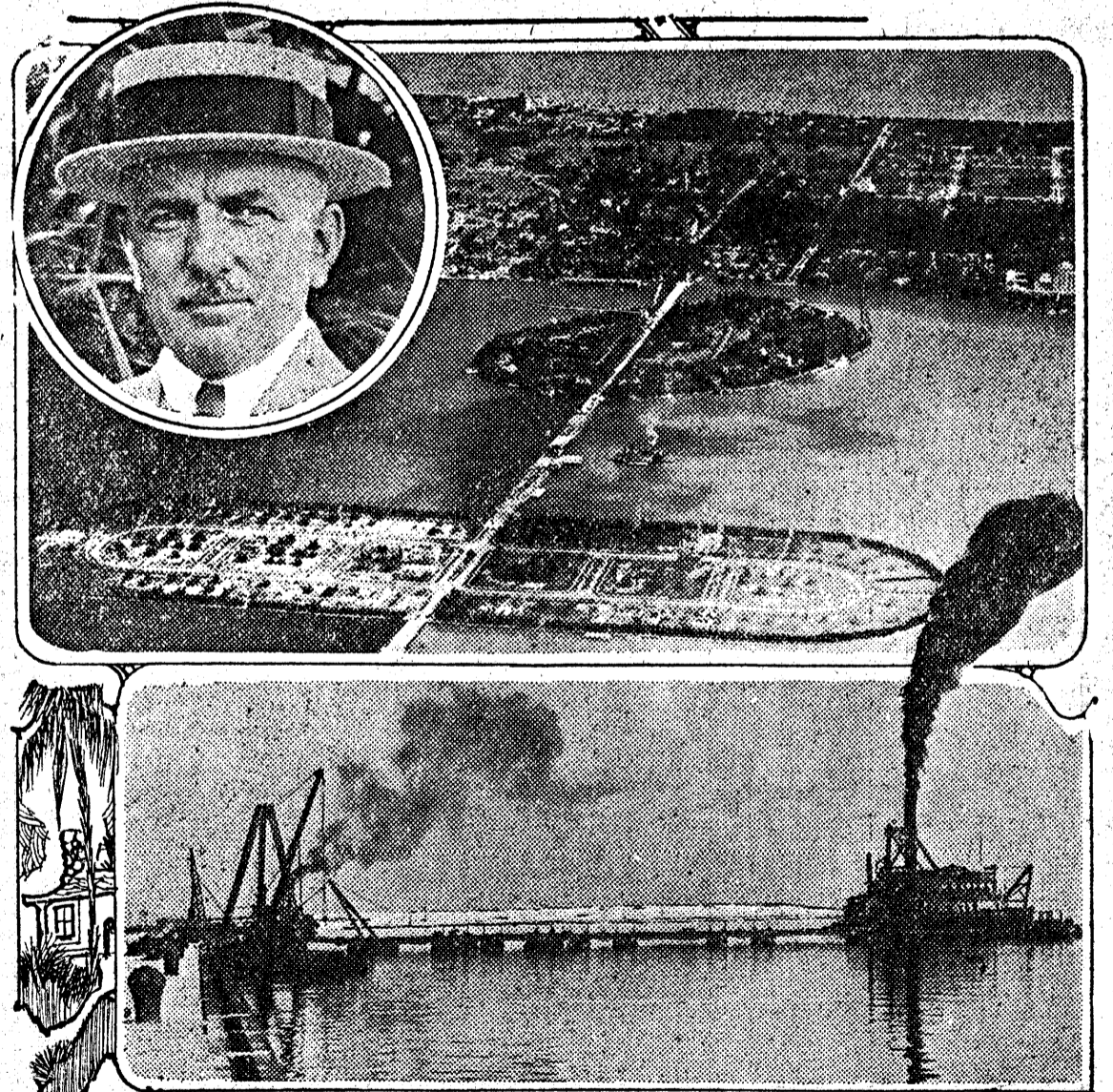
In some of the cape coats the cape has no significance except to lend a picturesque element to the garment—a sort of dash, as it were. Linings of vividly contrasting material are of-

Straight in back and shirred at the front under a buckle of Egyptian design is a splendid compromise for a frock that omits the Egyptian girdle,



which is not always becoming. This model is developed in silver brocade, with neckline in V shape. It is sleeveless, but, if preferred, a cape of some

Man-Made Islands Rise Like Magic on Florida's Coast.



FRANK FORTUNE PULVER, DREDGE WORK BUILDING PULVER ISLANDS (BELOW), and "MADE" ISLANDS ON THE FLORIDA COAST

St. Petersburg, Fla.—Out of the shallow waters of Boca Ciega Bay, "Florida's most beautiful mile," three magnificent man made islands are taking form.

Aided by giant dredges, "sand suckers," Frank Fortune Pulver, former "white suited" mayor of this community, retired multi-millionaire chewing gum king, is building a new city in which to live—and he expects it to be completed and ready for home building within another year.

Pulver's new islands are being made just at the western city limits of St. Petersburg. In the bay at this point, the waters are very shallow. At

low tide, the islands are high and dry. Here the big dredges are taking sand from the sea bottom and adding to the islands.

Soon, sea wall builders will pour heavy concrete retaining bulwarks all around the three islands. Of course there will be yacht and house boat slips. The islands and the mainland will be linked by a wide causeway and paved boulevard.

Pulver came here six years ago to retire and enjoy the balmy sub-tropical climate. But he couldn't stand inactivity. He purchased St. Petersburg's biggest hotel to play with; then he launched the city's largest laundry to take care of this institution and the community at large.

During a summer vacation in Alaska, he was notified that friends would like to see him in the mayoralty race. He tossed his bear skin hat from icy Nome into the sizzling St. Petersburg political ring, following soon after and winning hands down. Pulver had some original ideas on how to run a newspaper and he put a young fortune into a third paper here with the result it has the largest circulation and isn't quite a year old.

Pulver has a remarkable personality and has become known throughout West Florida as a modern Midas. "Everything Frank Pulver touches turns to gold." Gov. Martin of this state declared in a recent address.

Hudson & Son
IT PAYS TO PAY CASH

Yard Goods Galore

Novelty Suitsings, Rayon Silks, Pebble de Chene, Silk Crepe de Chene, Silk Messalines in choice colors, Empress Spring Woolens. Get prices here before you buy. Select Dresses in Rayon Silks that will dress you up for the Firemen's Ball. Slipper Buckles will make the old slippers do for the ball.

NEXT WEEK

10 pounds Sugar.....	59c
5 pounds Rolled Oats.....	19c
2 pound box Schust's Crackers.....	25c
2 pound box Schust's Graham Crackers.....	30c

**INSIST ON HUDSON QUALITY
IN ALL GOODS IN OUR LINES**



THE UNIVERSAL CAR

Spring Soon

Is your Tractor ready to use?
Is your car painted?
Is the Top well dressed?

We sell genuine Ford Paint and Top Dressing. Best for all cars and tops. Paint only \$1 per quart. Top Dressing only 65¢ pint.

Our up to date Garage is at your service
with competent help to take care of your needs

Two Good Teams for Sale

Harrelson Auto Sales Company
GOBLES, MICHIGAN

REIGLE'S

The store of
many bargains

We always have a complete line of Fruits and Vegetables. Now is the time to get your Garden Seeds for indoor planting. We have a full line.

**Cash Specials for the Week of
March 22-29**

Flour
Belle Of Allegan, that good Allegan flour, 24½ lb sack \$1.21
Knox-'Em-All Flour. This flour won second prize in the International flour contest. Per bag..... \$1.16

Delicia Oleomargarine
2 pounds for..... .49c

P G White Naptha
5 bars, all you want..... .20c

A Tribute to the Beauty and Utility of America's Foremost Cotton Fabrics

Ginghams gay and Gingham colorful offer their charm to the woman who is greatly interested in the lovely new fabrics that will help the home sewer to make her own inviting frocks and other wearables. Fabrics so smartly patterned and colored that they will remind you that gingham is ideal for spring. Greatest assortment of rayon and tub silks ever shown here. Ida Mae Tailored Garments and Red Goose Shoes for all. None to compare at the prices, Charming new Millinery in all the new shapes and colors with prices very low

Big Bargains for All Next Week

Kerosene Oil.....13c
Creamery Butter.....45c
Swift's Silver Leaf Pure Lard.....18c

HICKS & TAYLOR

H. W. TAYLOR, Resident Manager

MYERS STORE NEWS

We are DETERMINED to make these solid weeks of Special CASH Sales an object for you to visit our store. All next week we offer you these 3 Big Specials.

1st
Gobles Bread.....8c
2nd
White Compound or Yellow Cotosuet, 1 lb 15½c, 2 lbs.....30c
3rd
1 gallon Karo Syrup, Blue Label.....51c
1 gallon Karo Syrup, Red Label.....55c
½ gallon Pennock Crystal White Syrup.....32c
½ gallon Pennock Golden Syrup.....25c
1½ lb. Pennock Golden Syrup.....11c

We are handling a 12 ounce sanitary sealed pkg. Creamed Cottage Cheese. Its very excellent. We want you to try it.

Nyal's Digestive Tablets, 25c size 20c, 2 for.....35c
Nyal's Kidney Pills, 60 pills 50c size 40c, 2 for.....75c
Be sure to see us for good bargains at

MYERS of COURSE

The Big Store on the Corner

Remember Our



Home cured Hams and Bacon. No better food in the world. Get yours while they last. After Easter they will be gone. Other good Home Killed Meats for your selection.

BRUCE & LOHRBERG BROS.
Meat Market

Yes Sir and Yes Ma'am

One third of your life is spent in sleep. The women who prize beauty and the men who value energy cannot neglect their sleep. Sleep is more important to your appearance than clothes, and more vital to your health than food.

Simmons Beds

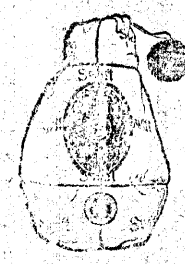
C. N. REYNOLDS
"Where Prices are Right"
SUCCESSORS TO C. D. MYERS & CO.

The Square Deal Cash Cream Station

You will make no mistake leaving your cream at this station. The price will interest you.

Van Ryno

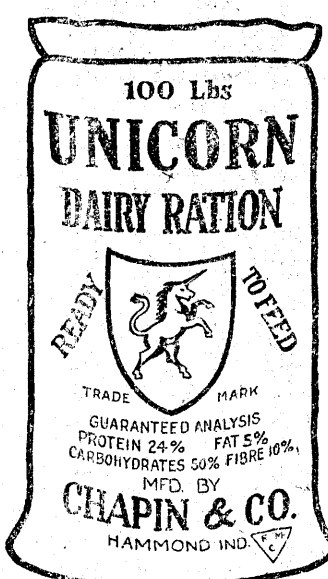
Try Gobles
First!
Patronize Our
ADVERTISERS



O. J. RHOADES
Fancy, Fresh and Smoked Meats
Cash paid for Wool, Hides, Furs, Tallow, Veal and Chickens

Always the best in Home Killed Meats
See me before buying that quarter of beef or dressed hog
SOME GOOD SATURDAY SPECIALS

If You Have a Good Crop of Corn and Oats--



You want to feed this corn and oats to get the most money out of them.
Here's a suggestion that won't cost you much to try--and will surely save you some money on your feed bill this winter.
Try mixing two bags of Unicorn (200 lbs.) with 100 lbs. of corn and oats--if you have just ordinary hay.

If you have good clover or alfalfa hay, then try mixing 100 lbs. of Unicorn with 100 lbs of corn and oats.

Either of these mixtures will produce 100 lbs of milk at a grain cost from 20c to 50c LESS than will any other mixture you can put together yourself.

Quart for quart, Unicorn makes as much, or more, milk than any ordinary dairy feed--and you get from 10 to 20 MORE QUARTS of Unicorn in every 100 lb. sack.

Now's the time to start figuring on how to make milk at lowest feed cost this winter. Come in and get enough Unicorn to give our suggestion a good try out. You'll never regret it.

Car of Dixie Gem Lump Coal is Here

THE GOBLEVILLE MILLING COMPANY
BOTH PHONES GOBLES, MICHIGAN

HOMEGROWN TREES

Vines, Shrubs, Plants, Bulbs
Gobles Nursery Fruit

at about 60% of agents' prices as the agents 40 and our 60 make just 100 in all arithmetic.

GOBLES Nursery



**Our 20th Year
as Auctioneer**

is starting strong with the following sales already listed:

Art Torrey, all day, Wednesday, March 24
Gobles Community Sale, Saturday, Apr. 3
ALL GOOD SALES, DON'T MISS ANY
J. R. VanVoorhees, Auctioneer

We Have Right Now

one of the finest stock of used cars that we have ever had at very reasonable prices

- 3 Tudor Sedans
- 1 Ford Roadster
- 1 Durant Nouring
- 1 Dodge Touring
- 1 Ford Touring with winter top
- 1 Scripps Booth Touring, a very good buy
- 1 Ford Truck with new cab and body
- 1 Fordor Sedan

If you buy a used car before looking these over you are not treating your pocket book fair.

Remember we carry our own notes which saves you money

Every car selling for \$100 or more is fully guaranteed.

Come in and try the Oakland and Pontiac.

E. A. Marcy Used Car Market
CARROLL HENDRICKS, Mgr.
Don't forget the place--Main St., Gobles, Mich.
Next door to Monument Works

Your inspection of these cars will be appreciated

Cypress

Flooring for Porches, Ceiling for Porches, Siding and Corner Boards, Boards for Boats

Yellow Pine

Flooring, Drop Siding, Shipplap, 2x4's, 2x6's and 2x8's

Car of Spruce and Hemlock is Here

J. L. Clement & Sons

Partners Who Win

A Woman's thrift has oftentimes been the real spur to a man's ambition.

**Open Your Savings
Account Today**

THE FIRST STATE BANK

GOBLES, MICHIGAN

"BANKING FRIENDSHIPS THAT ENIRCLE THE COMMUNITY"

"The Bank That Backs the Farmer"

"THE HOME OF THRIFT IN GOBLES"

40 Per Cent Off On Gro-Bone and Mor-Milk

This is the best mineral feed manufactured for Hogs or Cattle and at the price we are selling for, costs less than you can mix your own formula.

**Gro-Bone Will
Give You**

- Big strong litters
- Heavy milking dams
- Quick growing pigs
- Upright pasterns
- Strong backs
- Big type pigs

**Mor-Milk Will
Help Make**

- Greater production
- Longer lactation
- Stronger calves
- Larger cows
- Healthier herds
- Bigger profits

And don't forget we have all kinds and sizes of poultry feeds

Gobles Co-operative Assn.

John Leeder, Mgr., at Gobles
One Hundred Per Cent Farmer Owned
W.J. Richards, Asst. Mgr., at Kendall
The Watch Dog of Prices and Quality

LET SCHOWE

do your Baking

for Special Occasions and save worry

Good food, properly prepared and decorated to suit

Insist on

Harvest Queen BREAD

Quality Bakery

Herman R. Schowe

Your Good Will-- Our Electrical Work

These two--your good will and our brand of electrical work--are synonymous.

ASK OUR CUSTOMERS

Michigan Gas & Electric Co.
Chas. S. Howard, Local Manager

Special For Two Weeks Only

**500 Chick Brooder
\$16.50 Cash**

1000 Chick Brooder
\$18.50 cash

20 per cent discount
on Incubators in stock

**9x12 Linoleum or
Congoleum Rugs
\$13.95 cash**

6 or 9 ft roll Congoleum 69c
per yard cash

**1½ Brass Trimmed
Harness \$55**

1 3-4 Brass Trimmed
Harness \$60

Sold on Time Payments

Sole agents for
Ankerhth Separators

E. J. MERRIFIELD

Guy G. Graham, Manager

Let us demonstrate a
Radio in your home