

GEO. WYMAN & CO Grand Rally for Trade

Our efforts surpass any previous record in the selection of novel ties and staple goods from all over the world for Christmas trade.

Lace Department Center Aisle.

We offer a superb line of hand made cluny and tennifite doilies, center pieces, etc., for table decorations. Exclusive designs, very choice; they will suit the most fastidious.

Pillow tops, down cushions, fibre cushions.

We offer an unparalleled stock of umbrellas, good handles, natural wood, Cape Horn, all this season's patterns, from \$0c to \$10 each.

Ladies' handkerchiefs from 1c to \$18 each.
All linen handkerchiefs 5c and 10c. At 10c we offer fine embroidered and hemstitched and embroidered Handkerchiefs—excellent values.

Gift Department.

Second Floor

We offer a large collection of beautiful articles from our own and foreign lands—mostly one of a kind—no duplicates.

BRONZE Trays, Smoker's Sets, Paper Weights, Vases, Busts and Figurines. 25c to \$12.50.

CLOISONNE Ware. \$1.50 to \$9.00. KISH ware, Vases and Jardiniers.

COME AND SEE US
GEO. WYMAN & CO.
SOUTH BEND, IND.

\$1.00 to \$5.00
OWATA Vases, \$1.50 to 10.00 each
TEPLITZ ware \$1.50 to \$12.00.
AMPHORA ware \$4.50 to \$15.00.
ROYAL VIENNA Vases, \$1.00 to \$15.
AUSTRIAN, DUTCH, FRENCH Vases
19c to 6.00 each.
ZUID ware. 1 00 to 8.50.
TERRA COTTA, made in America,
new bronze finish 1.00 to 12.50.
GLAZED Jardiniers, 8-inch to 10-
inch, way under price, 50c, 75c, 1.00
DOLLS—We offer the best proportioned
and best made dolls that
skill can produce. Our prices are no
higher than you pay for inferior
makes elsewhere. Our trade in dolls
is phenomenal; we have all sizes and
kinds, 10c to 1.00 each.

DRESS GOODS.

South Aisle

Clearing Sale of Wool Dress Goods

We offer 50 pieces of black and colored wool Dress Goods, worth \$1 to \$2 yard, at 75c.

We offer 25 pieces colored wool Dress Goods worth 75c to \$1 yard, at 50c yard.

Both lots are exceptionally good values, the best we ever offered.

AT THE UNIVERSITY

Scenes at The Popular Michigan College

THE MANY DEPARTMENTS

Will be Mentioned in a Series of Articles
in The Record

At the center of the campus of the University of Michigan stands the library building. It is a broad, compact structure with on individuality the most striking of any building connected with the work of the University.

The north end is built in the shape of a large semicircle, whose brick wall is broken only by a row of little windows close under the eaves of the conical roof. On either side are wings containing the entrances and cloakrooms. These are surmounted by square towers, in one of which is situated the clock and the familiar "campus chimes." The south extension of the building is four stories high. The upper floor, lighted by a skylight which extends the whole length of the building, is occupied by the Art Gallery, and the three remaining stories comprise the book room. The building was dedicated Dec. 12, 1883, and has been twice enlarged since that date to accommodate the library's growth.

Six rooms are required for shelving books, besides the large number of volumes which are kept in the reading room for reference. The general reading room contains desks and chairs for the accommodation of over 300 persons, and an individual electric light is provided for each. Two years ago the seating arrangements of the room were changed, new chairs were put in, and a tile floor was laid. Two smaller seminary rooms in secluded parts of the building provide desks for 150 more students who are doing advanced work. Here they are able to study with the necessary books always at hand. A reading room for the Faculty occupies a part of the east wing, and gives room for shelving the current periodicals and the bound newspaper files. The rest of the building, exclusive of the fourth floor, which is used for the housing of the University's art collection, is taken up with the offices of administration. In the basement are situated a bindery large enough to do all the work of the University, and a printing plant.

This building does not contain all the libraries of the University, but only those known as the general library and the medical and engineering collections. The libraries of the other professional departments are housed in their respective buildings.

The general library had its beginnings in 1838 when the Board of Regents subscribed for a copy of "Audubon's Ornithology." The work consisted of four large folio volumes of plate and four octavo volumes of text, and is still in the library. It cost the University \$970. The second purchase was made in the same year and was a copy of Rafin's "Antiquitates Americana." In the fall of 1840 a collection of about 3700 volumes, which had been selected in Europe by Dr. Gray for the University, was received and added to the library. From these humble beginnings the library has grown until now it contains about 145,000 volumes, aside from pamphlets and maps.

The total number of volumes in all of the libraries of the University was at the close of the fiscal year last June, 182,680, besides 4000 pamphlets and 2250 maps. It has grown to this size from the modest collection of 4000 volumes which the University possessed when it was opened to students in 1841.

Librarian Raymond C. Davis at his own request has been permitted to lay down his office, while in appreciation of his long and faithful services he has been asked to remain as librarian emeritus, with the understanding that he will continue to give instruction in bibliography.

Mr. Davis has been connected with the library as assistant librarian four years, and as librarian twenty-seven years. He has seen the library grow from 25,000 volumes to its present size.

Theodore W. Koch, recently of the Library of Congress, has been appointed assistant librarian, and has inaugurated several improvements. A reference library of 5,000 volumes is being placed in the reading room, and the files of the most used periodicals will soon be shelved there. The class libraries, containing duplicate volumes to which weekly reference is made in the history, rhetoric and economics course, have been placed where they are accessible to all students. Portraits and busts will make the room attractive.

The card system of classification is used in the general library. A reference catalogue consisting of 160,000 cards of the Library of Congress has been secured recently, and an exchange agreement has been made on the basis of which books not in the University library may be borrowed from the Library of Congress. With this catalogue will be combined 40,000 cards from the John Crerar Library of Chicago, which are principally subjects in the applied arts and sciences.

The library is open for consultation fourteen hours daily during the academic year, nine hours daily during the summer session, and six hours daily from the close of the summer session until the end of the summer vacation. The only exceptions to the above are Sundays and legal holidays.

ABOUT SILAGE MILK.

Prejudice Against Product of Silage-Fed Cows Is Declared to Be Unjustifiable.

A writer in Health Culture disposes of the question of feeding dairy cows as follows:

"She should be kept in a very clean stable and be well groomed; have plenty of light, fresh air all the time, exercise—at the risk of less production—pure water and pure food, free from brewer's waste, distillery refuse, and alcoholic ensilage. These fermented foods permeate her flesh and give an odor and taste to her products, and the odors arising from these foods poison the atmosphere she breathes—in fact she is an inebriate, and cannot produce normal milk on such abnormal food. So important is this matter that the condensing factories refuse to use milk from cows fed upon these fermented foods, as it will not keep when condensed and canned. Such milk sours more quickly and is not fit for infants, indeed, it makes them sick, and dairymen will not feed their own children with it, and will furnish milks for infants if requested."

It is true, says Prairie Farmer, that some misguided officials of certain milk condensing factories have objected to receiving milk from cows fed upon ensilage, but this prejudice has been demonstrated to be entirely without foundation. There are other condensing factories that use ensilage-made milk right along and have no trouble with it.

A few years ago we ran across a cheese factory in southern Wisconsin that had refused to receive milk during the summer from a given herd, because the cows had been fed ensilage the winter before. This simply illustrates the ridiculous extremes to which such things are often carried. The cheese factory had experienced some difficulty in the manufacture of its cheese and, not being able to discover the cause, had loaded the blame on to the silage, although none had been fed for weeks.

Such attempts as the above, on the part of ignorant persons, to discredit with consumers the milk made from ensilage, is a great injustice to the producer, as it tends to debar him from the use of one of the best forms of feed for milk production. It has been amply demonstrated that good ensilage, properly fed, imparts no injurious effect to the milk. Silage is one of the most healthful foods that can be used during the winter, when otherwise the cow would be on dry feed, and there is no question but that the most healthy cow will give the most healthful milk.

Lo-tus Liver Pills are the great Pills for Ladies, curing constipation and giving a clear, fresh complexion. Large boxes, 50 pellets, for sale by Dr. E. S. Dodd & Son.

A Visit To a Near-by Kingdom CHAPTER II.

We have seen something of the plan of construction of this kingdom of small things into which we have entered. We have seen that there are highways leading in all directions and that we are not to be excluded from any of the soil absence of roads. These streets are very crooked and very narrow but they do a relatively immense amount of business. Traffic of large proportions through these streets from the time the ground thaws out in the spring until cold winter closes all roads with a blockade of ice.

We note that, in the fertile soil we are visiting, the particles of earth are not lying about singly or in loose piles but are built up in orderly structures, irregular in shape, no doubt, but still arranged after some plan. In the city we find no end to the number of brick or to the amount of mortar and other building material, but these things are not left in disorderly piles, but laid up in an orderly and systematic manner into definite well planned buildings with streets between. So the soil particles are gathered to gether into kernels, little lumps of dirt, very very small indeed but still much larger than the single particles which go into their construction. Professor King found that if the particles of a clay soil were to be kept separated one from the other and were not built up into kernels or little lumps, the spaces between the particles would be so small and the passage ways so much broken up that the necessary air and water could not possibly move through fast enough to feed the roots of a growing plant and the soil would therefore become barren and useless. It is alone when the brick, the lime and sand are erected into stately business blocks or private residences, that the city springs into existence; so it is only when the soil has been properly handled, that the soil kernels are formed from the single grains, that the soil is open to business and becomes fertile.

Suppose, for instance, that a farmer has a field of rather stiff clay, the kind with almost half its particles so small that 25,000 of them just cover an inch in length; suppose he should plow the field when an over abundance of water has loosened the binding material, the substitute for mortar which holds the soil particles into kernels. What happens? The plow, pushing its reckless way through the softened soil, grinds up these kernels utterly destroying them and leaving the soil particles separated from each other yet mixed with the sticky substance which had held them in place. As a result, when the weather turns hot and dry, these particles unite into great hard lumps requiring days of hard labor to crush.

Suppose again that a farmer has a field of similar clay which he has well prepared for wheat in the fall with the surface all fine as a garden, the kernels have not been destroyed by the plow and harrow because he has not worked the ground when too wet, everything is just right for the coming seed. Then comes a dashing rain which first soaks the topmost soil, then beats it into a dough, crushing the kernels into the original particles. After the thunder shower, comes the hot sun and bakes the dough into a solid mass, as hard almost as a stone. Whether the seed be sown or not the wise farmer harrows and rolls such a field as soon as it is dry enough, breaking up the hard surface and letting in the air and allowing the tender young plants to thrust their leaves out into the sunlight. Note therefore the importance of the proper arrangement of the soil particles into kernels. Fortunately, for the human race as well as for the farmer, it is no easy task to break up these soil kernels entirely. Part of them will readily yield to force but for the most part the particles hang together with great tenacity. When a sample of soil, dry, is put into a mortar and pounded for hours with a pestle, it will still retain the condition of the kernel rather than break up into the particles. Professor King found that he could reduce the soil kernels to a small size in the mortar,

to a size where from 2500 to 5000 of them would cover an inch in length, but they broke up finer than that with great difficulty. The common practice of not working clay soil, when wet rests upon a sound theoretical basis. The same thing is true to a less extent with the sandy soils, but here the particles are larger, the spaces between larger and there is less sticky material to hold the particles together into hard clods; yet it is far from good practice to work even sandy loams when at all too wet.

Some calculations are now in order for your amusement and instruction. Let us suppose that we have a cubic inch of soil with particles all of a size, each just big enough so that twenty-five of them would cover a linear inch. How many would there be in the cubic inch? How many would there be in a cubic foot?

Next suppose that we had a cubic inch of fine clay with all particles so small that 25,000 of them would be needed to reach an inch. How many particles would there be in a cubic inch? Can you write and read numbers as large as these? How many miles would a cubic inch of them reach if put in a continuous row, one particle after another? How many times across the continent would they reach?

Remember that in good fertile soil these particles do not act separately particle by particle but that they are gathered together into kernels of various sizes from one thousandth of an inch up and these kernels are the soil units.

As to the shape of the particles, there is little to be said. If the soil is made up of one kind of rock, they may be flattened and of irregular margins; if of another kind they may be almost cubical; if much worn by water, they may be almost round.

IN MEMORIAM

MRS. ABRAHAM FRAME

Mrs. Abraham Frame died at her home on Portage Prairie, Sunday Jan. 1, 1905, at the age of 82 years. She leaves three sons, Nathaniel, Daniel, and John of South Bend Ind., and one daughter, Mrs. Mary Rose of Portage Prairie, nine grandchildren, and one great grandchild and hosts of friends to mourn her departure.

The funeral was held Tuesday Jan. 3, 1905, at the Dunkard church.

The Charity Party.

The Charity party given by the Happy-Go-Lucky club last Wednesday evening proved to be both a social and financial success. The ladies realized \$80 by their untiring efforts.

The club take this method of thanking the public in general for their patronage, the merchants and business men for their generosity and help and the musicians whose beautiful music assisted so much toward making the evening a success. Also Mr. E. Crawford of Niles for the use of his piano.

The money has been placed at the disposal of a competent person whose work among the poor is well known and by the aid of a committee from the club will be used to the best advantage for the worthy poor.

Any person knowing of such families would do well to report same to any member of the club.

By order of President.

Horses Frightened By An Explosion.

Mr. Bridener, driver of one of the teams belonging to George Kammerer, of St. Joseph had a narrow escape from serious accident Saturday.

While driving up State street a gas drum which was on the wagon exploded, throwing the driver into the street. The noise frightened three other teams on the street and for a few moments runaways galore seemed unavoidable, but the horses were caught by several bystanders and the trouble was averted. No one was hurt.

State Items

Believing himself to be directed by the spirit of his dead son, William Abernathy of St. Joseph has been squandering his wealth during the past year by foolish investments. He has been declared incompetent and a guardian has been appointed.

E. Florsdorff, recently a clerk in the Post Tavern at Battle Creek, overheard some parties talking about buying a tract of land upon which oil had been discovered at a normal figure, but learned that they were willing to give much more. He communicated the fact to the owner of the land, who received so much more for his land than he expected that he is said to have given Florsdorff \$150,000.

The outside construction on the new buildings of the Western Normal school at Kalamazoo was finished Friday and the flag run up on the large flagstaff for the first time. A big force is at work on the interior construction, which will be pushed to completion as early as possible. It will be six months, however, before the buildings can be turned over to the trustees. In the main building are four cement beams which support the structure. They are of forty two feet span, and are the longest ever made.

Although 61 years of age, Hi Henry the minstrel king, is still somewhat of a fire-eater, and Thursday afternoon in Owosso, started in to put a head on two railroad employes. He probably would have attempted it, at least, had not wiser counsels prevailed. In moving Henry's train about the Grand Trunk yards, one of the cars was seriously damaged by a projecting platform. The old man climbed out of the car and lit on to Conductor Jacob Derwiler. The latter was protected from the veteran's wrath by Car Repairer George Matthews, who stepped between the men. Matthews was then given a vigorous "dressing down" before the members of the minstrel company led Mr. Henry away. Later, when his wrath had subsided, the old man apologized handsomely, and otherwise made amends by giving the railroad men passes to the show.

A school teacher received the following note from the mother of one of her pupils: "Dear Mis, You write me about whipping Sammy. I hereby give you permission to beat him up every time it is necessary to learn him lessons. He is just like his father—you have to learn him with a club. ground nolege into him. I want him to git it, and don't pay no atension

to what his father says. I'll handle him—Vermontville Echo.

An Evert woman recently annoyed a bunion on her big toe with phosphorus, resting the swollen member on the bed post, and fell into pleasant slumber. When hubby retired later and rested his head on the pillow, he suddenly espied what he thought was the fiery eyeballs of a thousand cats rolled into one. Seizing a bootjack he hurled it at the object with a vicious "scat" and hit the nail square. They will occupy separate beds until the inflammation is reduced.

The editor had the good fortune to attend the muskrat banquet tendered by the Monroe Yacht club at Monroe, last week. We never have been much impressed with the idea of eating rats but bravely underwent the ordeal, which, after all, proved a most pleasing one until some thoughtless customer shouted "rats!" when our interior furniture refused to further act as a rat trap, and as visions of our old pet cat at home came to our mind, we silently glided away to a convenient window where we unloaded our pent up feelings.—Oxford Leader.

How Italian Cheese Is Made.

This variety of cheese is manufactured from milk which has been deprived of about half its cream. It is not pressed, like American cheese, but is worked and molded with the hands. After molding the cheese is put into brine for three or four days, and when thus salted, is taken out and hung up to season or cure. The finished product resembles a summer squash in shape, being provided with a knob on one end. The taste is something like that of a Swiss cheese, and the texture is rather dry. The manufacture of Italian cheese is rather expensive, and consequently it brings a very fancy price.—N. Y. Produce Review.

Frozen Milk in Denmark.

The milk supply of Copenhagen, Denmark, is shipped to the city in a frozen condition. It is filtered as it comes from the farmers, then pasteurized to 185 degrees, then cooled and frozen by the brine process. It is shipped to the city by train in insulated chambers. On arrival it is stored in cases, and thawed out as needed. It is declared the taste, flavor and other qualities are unimpaired, and that the milk so treated can be kept sweet and fresh for any reasonable time.—American Cultivator.

"U. S. Corn Cure for ladies is good for men too. I travel all over the United States but have found nothing equal to it, one bottle took the soreness out of two very bad corns and took the corns out in a few days." Mr. M. P. Fox, New York City. Price 15c or two bottles for 5c at Dr. E. S. Dodd & Son.

LEAVE ORDERS

FOR

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WITH
E. S. ROE

"The Hardware Man"

Quality and Prices Right.

EXCURSIONS

VIA THE PERE MARQUETTE

Reduced rate tickets on sale first and third Tuesdays of each month until April, 1905. See agents for Routes and Rates.

H. F. Moeller

BRING IN

Your OLD HARNESS and have it made good as new.

I am prepared to do all kinds of HARNESS and SHOE REPAIRING.

J. H. TWELL,

Main Street, Buchanan.

PIMPLE FACED

Young women feel uneasy. Of course it is distressing, especially when pimples are filled with pus. However,

"Hermit" Salve

will not alone relieve but cure. It is a skin tonic and will leave the complexion clear as a baby's. "Hermit" Salve has been used for twenty-five years and is for sale by

ALL DRUGGISTS. 25 and 50c.

Dr. E. S. Dodd & Son.

BUCHANAN RECORD.

TWICE A WEEK

MAC C. CHAMBERLIN

PUBLISHER.

O. P. WOODWORTH

EDITOR.

Entered at the Post-office at Buchanan, Mich. as second-class matter.

TERMS

\$1.00 PER YEAR.

JANUARY 10, 1905.

Visit by the Stockholders

A number of the stockholders of the Geo. R. Rich Manufacturing Co., paid a visit to the factory last Saturday. The party consisted of W. A. Field, general supt. of the Illinois Steel Co. of South Chicago; E. B. Clark, Asst. Supt. of South Chicago; D. R. Mathias, general supt., Illinois Steel Co. Joliet, Ill.; Sam'l Hale, general manager of the steel department International Harvester Co. of South Deering, Ill., and Edwin R. Kent President of the Edgar Allen Steel Co. of Sheffield, Eng.

The party arrived on the 12:45 train and made a thorough examination of the factory. They expressed themselves a very much pleased with the place.

Mr. W. B. Johnston, Manager of the company took the party for a sleigh ride in E. I. Bird's bobsled, showing them the town. They left for Chicago on the 2:04 train.

Greatly In Demand.

Nothing is more in demand than a medicine which meets modern requirement for a blood and system cleanser, such as Dr. King's New Life Pills. They are just what you need to cure stomach and liver troubles. Try them. At all Druggists, 25c per box.

OLD-TIME DRUMMER PASSES

Jolly Tourist of Ancient Days Is Now a Remnant of the Past.

"The good old days of the good old-fashioned drummer have gone glimmering," said Mr. Michael A. Furney, of Pittsburg, at the Eutaw house, to a Baltimore News reporter. "I have been traveling out of western territory for 20 years, and as I look back over the years now I can see more jolly hours in the rear end of the Pullman than any millionaire can spend in these days in his private car with his personal staff of pampered associates. It used to be the practice for drummers to assemble in the smoking-room and tell stories or swap experiences over a good cigar, or send the time flying with a round game of cards. In those times every commercial man knew every other commercial man, and a sort of freemasonry existed among them as inviolate as the steeliest obligations of the ritual. Every house has its own representative and judged according to personal ability and merit.

"Well, along came the age of consolidation. Some man got it into his head that economy of production and distribution was the secret of business success. The scheme panned out fine—for the economizer. The effect on the traveling was to cut the road forces to pieces. One drummer now represents a dozen or more houses, or in some lines no drummer is employed, the dealer being commanded to send in his order or go without it. The mail-order business, too, has driven a herd of drummers from the field. The smoking end is empty now, so far as the drummers are concerned, and commercial men do not fraternize on the road, unless they are in the same or nearly the same lines, with identical interests.

"Yes, the old-time traveling man is gone, just as in the newspaper business the old-time printer has left his case and vanished. What has become of this army of people who have been displaced by organization, both administrative and mechanical? I dunno; d'you?"

Spread of Wireless.

The leaning tower of Pisa, Italy, is to have as neighbor a wireless telegraph tower. Not so poetical, perhaps, but more modernly useful and withal the largest station for wireless telegraphy in existence. The buildings will be of stone and are to be ready for duty the beginning of next year. Wireless telegraph communication is to be established with Great Britain, Holland, the United States, and Canada, with vessels in the Mediterranean, the Baltic sea, the Red sea, and the Atlantic and the Indian oceans. Lately two Marconi stations have also been completed on the coast of Montenegro and are now in working order.—Chicago Tribune.

The German Pun.

The Germans are given to punning after a ponderous sort, and their language is well adapted to it. The eastern war gives them plenty of opportunities. At Berlin the newest name for the commander of the Russian armies in Manchuria is Gen. "Kuroki-pack-ton," meaning thereby that he has been "collared" (gepacht) by Kuroki. At the time of the Dreyfus "affaire," too, the Berlin wits asked: "Wie tief ist Frankreich gesunken?" ("How far has France sunk?") "Dreyfus," was the answer—"three feet."—N. Y. Tribune.

Sacred Mountains.

Travelers in Japan are astonished to find the grandest shrines throughout the land situated on the tops of high, precipitous mountains. This is because every mountain in that country is dedicated to some deity who is believed to be its guardian. These temple grounds are covered with the oldest and largest forest trees, and to the eyes of the people below the effect of the clouds which hover around the peak has originated the belief that the gods hold the power over the clouds to give or withhold rain.

Their Dear Friend.

Irene—It's Kit Skimmerhorn's first engagement, isn't it?
Gabiella—Of course it is. Haven't you noticed she's telling everybody about it?

THE DAIRY

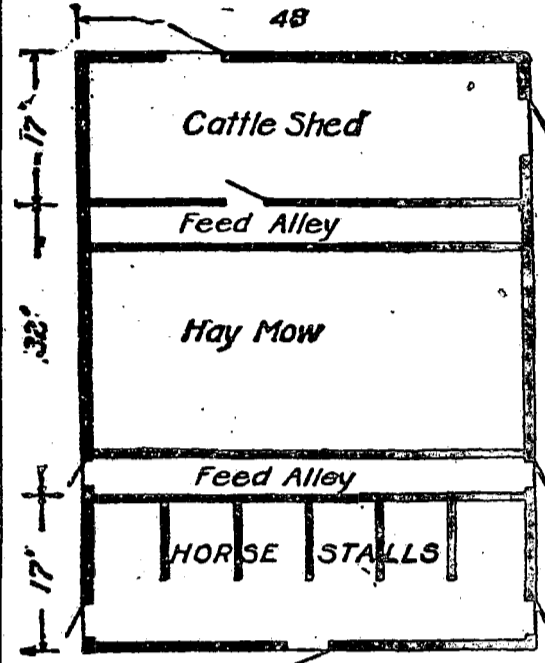


AN INEXPENSIVE BARN.

Plans of a Serviceable Structure Erected by C. Keller, a Nebraska Farmer.

The barn cost but \$600, yet it is found to be very satisfactory. It is the property of C. Keller, of Lancaster county, Neb. The structure is entirely of light timbers and without the usual braces, beams and posts which characterize a barn of this size. By referring to the diagram the great advantage of space and of handling the hay will be seen. The building is held securely together by the trestles connecting the plates. These are constructed on the same principle as bridge spans. Since the barn was built in 1901, there have been several severe storms, but the structure has not spread.

In making a durable foundation for the building, Mr. Keller, the owner,



PLAN OF THE BARN.

adopted rather original plans. He asks the farmers to notice the ordinary farm home and observe that in many cases the chickens and hogs have combined their efforts and about destroyed the stone wall; the chickens picking out the mortar, and the hogs rooting away the tarr, thus allowing the wall to cave in. To avoid this and at the same time save expense, red cedar blocks were used for a foundation.

The box sills are made of three 2x6-inch pieces. Two are laid flat on the cedar blocks, and the studding set on them and nailed. The other 2x6 is set on edge and nailed to both the studding and to the other two sills. The corner posts are constructed of two 2x6 pieces boxed together.

The studding are 2x6 inches and placed two feet apart. A portion of the trestle is made of 2x4 pieces. The purlines would be better if wider timber, say 2x14 or 2x6 inches. The ridge pole is 2x8 oak timber and extends out four feet from the edge of the roof in front, and one foot in the rear. This makes an excellent means of attachment for the steel track for the hay carrier. Mr. Keller uses slings for drawing hay and finds they work very well.

Anyone looking at this barn cannot fail to notice the simple arrangement. Mr. Keller planned it himself and constructed it to meet his requirements. Certain it is that the doing away with the posts and cross beams facilitates putting in and taking out the hay. And so long as it is strong it would seem that the plan is worthy of consideration to a farmer who is about to build an inexpensive barn.

Not only this, but also the expense recommends it to the prospective builder. A barn of this size, 32x48 feet, with two additions, 17x48 feet, ordinarily would cost \$1,200. Whereas the total cost of this one, including material, track, labor, etc., was but \$600.

No grain is kept in the barn, although a few bins could easily be provided if desired. There are no stanchions in the cow stable, but these also could be added with little expense, according to the needs of the owner.—Orange Judd Farmer.

Want National Anthem.

It is symptomatic of the age we live in that a people unprovided, as the Italians seem to be, with a national anthem, should seek to supply the need by way of familiar newspaper competition. The contest is open to all Italians, and the manuscripts are to be submitted not later than December 31, next. It is stipulated that the "national hymn" shall be "short, but full of animation and thrill, popular in expression, but artistic in spirit." First prize is a gold medal, and to every competitor adjudged worthy of such a distinction will be awarded a diploma of honor.—London Globe.

Dairy Cows Should Be Curried.

The brush and currycomb are far less used on cows than they are on horses, yet they are quite as necessary to the animal's comfort. Who has not seen cattle rubbing their sides against a fence or tree, or their backs under some overhanging limbs? It not only adds to their comfort to rub them down, but it draws the blood nearer the surface, so that the animal is better protected in winter. With the same feeding a well-groomed cow will keep in good condition when she would be scrawny and rawboned if not regularly curried or brushed.

You Wouldn't Suffer if you knew as much about "Nature's Remedy" as we do.

our daily mail for one day and read the dozens of letters from grateful people who have been cured—you would never be without a box.

"NATURE'S REMEDY"

Cleanses, Purifies and Strengthens the Entire System. It is an absolute cure for all diseases arising from a defective digestive system such as

Constipation Rheumatism Dyspepsia
Liver Complaint Kidney Disease Indigestion
Stomach Headache Back Ache Sour Stomach

Be Convinced at our Risk—Buy a box of Nature's Remedy with the understanding that you are to have YOUR MONEY BACK—IF YOU WANT IT. Sold in 50c and \$1.00 boxes. All druggists.

Rev. D. W. Elkins, of Lockesburg, says: "It gives me pleasure to certify to the excellent curative properties of Nature's Remedy Tablets. Had been in general poor health several months, suffering with torpid liver, headache, constipation and loss of appetite. After taking a few doses of Nature's Tablets I was entirely relieved, and can truly say that I am enjoying better health than I have in years.

Send for a sample of Nature's Remedy and Guide to Health. A. H. Lewis Med. Co., St. Louis, Mo.

JUST BEFORE INVENTORY.

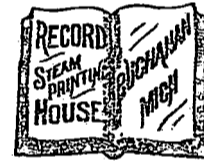
We have made radical reductions in Boys' Clothing. All we have left in belt overcoats, from 8 to 16 years; fancy Russian overcoats, from 8 to 10 years; reefers; bloomer suits; Russian suits; sailor suits and double breasted suits; also three piece suits have been marked down from 25 to 33 per cent for the occasion.

Every mother who knows of the superior quality and the make-up of Spiro's Children's Clothing will take advantage of this chance to fit out their boys in new suits and overcoats.

THE ONE-PRICE CLOTHIERS SPIRO'S The BIG STORE

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An attractive meal of well-prepared food, go to The City Restaurant
Pleasant and Comfortable Rooms.

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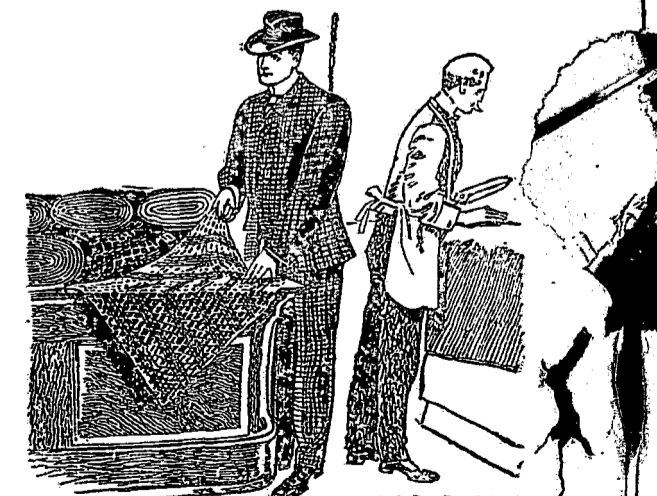
Our Wagon will Call for and Deliver Your Laundry Let Us Hear from You

W. E. Pennell

Clean Towels
For everyone at Sunday & Boone's Barber Shop and Bath Room

Give us a call

New Cloths



I have just received a full line of new cloths for the fall and winter trade. The Goods are right and the price is right Call and see them.

JOHN HERSHENOW, Merchant Tailor.

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205-207 SO. MICHIGAN ST.
SOUTH BEND INDIANA.

20% DISCOUNT

CLOTHING SALE

For the next thirty days we will give special prices on every suit and overcoat (except black) in our MODERN CLOTHING HOUSE. This is a Boni-fide sale and a chance to try our famous Atterbury System Clothing at a low price. **ONE PRICE and that the RIGHT PRICE.**

VERNON

SOUTH BEND, INDIANA.

KATE W. NOBLES'
Home Made Mince Meat
AT MUTCHLER'S MARKET

MILLINERY SALE.

During the entire month I will close out a lot of goods for a Chicago Millinery House. They are bargains and will go at cost. Come early and get your choice. All pattern hats black, brown and all the leading colors. A lot of plumes, pones, caps and ribbons to be also sold. The sale will last one month only.

Mrs. E. Parkinson

LOCAL NOTES

Miss it.
BINNS' MAGNET STORE.

Old gold and silver.
W. W. Wood.

Old papers for sale at the RECORD office.

Only home made bread in town 4c loaf at Bertha Roe's.

Old papers for sale at the RECORD office, 5 cents per bunch.

Blank receipts put up in pads of twenty-five only 5 cents at the RECORD.

Buy shoes at Carmer & Carmer's and get a pair of souvenir shoes free.

Edison Phonograph with 67 Records as good as new \$50, also Incubator with Brooder, \$20. Inquire RECORD Office.

Mrs. Nellie Otte, daughter of Mr. and Mrs. F. H. Goodenough, was married Saturday evening to Henry Goss, a Niles blacksmith, by Rev. A. T. Ferguson, the Niles Methodist minister.

Why sell your old rags to the rag man for 1/2 cent per pound. The RECORD office will pay 2 1/2 cents for good sized clean cotton rags. They must be large enough to use for washing presses.

Through the courtesy of J. W. Searles, Messrs F. H. Andrews and H. F. Kingery left Sunday afternoon for Denver Colorado, where they will attend the National Live Stock Convention. J. W. Searles is the President of the Association.

S. C. Cook came home Friday from a very successful trip in the interest of the Roy's Gaslight company of Chicago. He started yesterday on a two months trip to the Pacific coast for the same firm. Mr. Cook has sold forty of these plants since Oct. 1, 1904.

The G. A. R. post and the Ladies Circle, held a joint installation of officers Saturday evening. J. W. Beistle was the installing officer for the post and Stephen Scott for the ladies. After the ceremonies, refreshments were served and a social evening spent.

Bread 4c a loaf at Bertha Roe's.
Old papers for sale at the RECORD office, 5 cents per bunch.

Clocks called for and delivered.
W. W. Wood.

See the beautiful new things in our jewelry section.
BINNS' MAGNET STORE.

Calendar pads for 1905, just the thing for fancy work, only one cent each at the RECORD.

Unclaimed letters remaining in the P. O. at Buchanan, Mich., for week ending Jan. 10, 1905. Wm. Brown, B. A. Nichols.

G. W. Noble, P. M.

A woman in Michigan talked so fast that her artificial teeth exploded, and it was not in Three Oaks either. —Chicago Chronical.

The standard self-registering thermometer at the high school, registered 1 below zero Monday night.

"Mrs. Wiggs of the Cabbage Patch" will be played by the young people of the M. E. church in the near future.

Claud Rynearson has gone to South Bend, where he has accepted a position in the power plant of C. A. Chapin. His place was taken here by Ralph Hague.

Regular meeting of the Royal Neighbors Friday, initiation and business of importance. Games at close. Dinner at Mrs. East's Thursday, a farewell to Mrs. Scott.

Representative N. V. Lovell, of this district, has introduced a bill to create the office of assistant prosecuting attorney for Berrien county. According to the text of the bill the prosecuting attorney can appoint his assistant and the salary is fixed at \$1,200 per year.

About thirty-five friends gathered to the surprise of John, Charles and Andrew Lyddick, at their home Friday evening. The evening was spent in games, etc. Light refreshments were served. The time passed all too rapidly and the guests departed with another bright picture hanging on memory's wall.

Mrs. Sarah Scott had the misfortune to fall, at her home on Oak street, last Saturday morning and break her right wrist. She was coming out of the house and slipped on the ice on the cement sidewalk. Dr. Garland was called and set the bones in place. The injured wrist is getting along finely.

On account of the burning out of one of the electric transformers at the school house, the fan that drives the hot air into the rooms could not be started, Monday morning, so there was no school yesterday. Mr. John Ohmer, manager of the Light and Power Co., drove to South Bend and brought back a new machine, and with his men worked until midnight last night placing the transformer in position so that school could be opened this morning.

Masquerade ball Jan. 19.

Beautiful pictures at a very low price
BINNS' MAGNET STORE.

You will have a big time at the Masquerade ball Jan. 19. Don't miss it.

The little folks of the Evangelical Sunday school are enjoying a sleigh ride this afternoon.

Mr. and Mrs. Fred Goldfusse, near New Carlisle, are the proud parents of a baby girl. Mrs. Goldfusse was formerly Miss Melissa Colman, of this place.

Mrs. P. A. Graffort, who has been ill for some little time, is so much improved in health that she was able to visit in Chicago last week.

Wine Lo-Ti (Coonley's beef, iron and wine with nerving) is the perfect blood tonic. There is no other like it or equal to it. Price 50c at Dr. E. S. Dodd & Son's.

Pauline, the little daughter of Mr. and Mrs. Harry Butler, was sliding down hill Saturday, on Day's Avenue and ran into a tree in such a manner as to cut her leg above the knee. Dr. Curtis was called and found it necessary to take several stitches to close the wound.

Mr. and Mrs. Eugene Crawford will give a Masquerade Ball the evening of their assembly, Thursday Jan. 19 at Pears-East hall Buchanan. Masked Gentlemen 50c, masked Ladies free, Spectators 50c. All those not wearing mask costumes will not be allowed to dance until after the unmasking. Cash Prizes will be given for best ladies, and best gents, costumes, also for most comic ladies, and gents, costumes. To assure all that no disrespectful characters will be allowed all masks will be raised at the door by the management. Dancing will begin at 8:30 p. m., both round and square dances will be given. The Grand march to award prizes and unmask will be at 11:30 p. m. Music by Stryker's Orchestra. Supper Extra. J.17

A Grim Tragedy.

is daily enacted, in thousands of homes, as Death claims, in each one, another victim of Consumption or Pneumonia. But when Coughs and Colds are properly treated, the tragedy is averted. F. G. Huntley, of Oakland, Ind., writes: "My wife had the consumption, and three doctors gave her up. Finally she took Dr. King's New Discovery for Consumption, Coughs and Colds, which cured her, and today she is well and strong." It kills the germs of all diseases. One dose relieves. Guaranteed at 50c and \$1.00 by All Druggists. Trial bottle free.

Church Notes

Quarterly meeting at the M. E. church next Sunday. Dr. Barnes, Presiding Elder, of Niles District, will preach.

FOR RENT—Good sized barn, first month free. Call at RECORD office. t. f.

FOR SALE—Thirteen room house in good repair and good neighborhood. Five minutes walk from post-office. \$900 part cash, balance to suit purchaser.
Thos. E. Brown, Box 572.

WANTED—Girl to do general housework. Dr. L. E. Peck.

WANTED—100 good cows at right prices. Address with full particulars, Cow Exchange, care RECORD.

Her Unlucky Spouse.

"It was a sweeping victory, wasn't it?"
"Yes," answered young Mrs. Tokins. "The republicans seem so strong that I almost believe they would have won even if Charley had bet on them instead of on the democrats." — Washington Star.

Sickening Shivering Fits

of Ague and Malaria, can be relieved and cured with Electric Bitters. This is a pure, tonic medicine; of especial benefit in malaria, for it exerts a true curative influence on the disease, driving it entirely out of the system. It is much to be preferred to Quinine, having none of this drug's bad after-effects. E. S. Munday, of Henrietta, Tex., writes: "My brother was very low with malarial fever and jaundice, till he took Electric Bitters, which saved his life. At all Druggists price 50c, guaranteed."

PERSONAL.

Miss Mary Peck went to Goshen, Ind. Sunday, for a short visit.

Mrs. Thos Gardner, of Carson City is visiting her daughter, Mrs. W. L. Mercer.

Mrs. H. D. Rough and son Lester, of Goshen, Ind., spent Sunday in this place.

Rance Calvin went to Dowagiac Saturday where he will work in the Round Oak shop.

Mrs. S. E. Johnson returned home, Friday from a two week's visit with her son in South Bend.

Mr. and Mrs. C. E. Hess, of Oakland California, are the guest of Mr. and Mrs. Clifton Hamilton.

Mrs. H. M. Brodrick, returned home Friday from a three weeks visit with relatives in Canada.

Miss Wilma Roe left for Chicago Monday morning, after a two weeks visit with her parents in this place.

Mr. and Mrs. L. U. Drago and Mrs. Nettie Evans attended the funeral of their aunt Mrs. Abraham Frame.

Miss Lucy A. Jarvis, of Dowagiac, visited her relatives the Misses Alexander on Thursday and Friday of last week.

Mrs. Francis Mercer has returned to her home in Vicksburg after a three weeks visit at the home of her son Supt. W. L. Mercer.

John W. Lyddick returned Monday to Ann Arbor, where he is taking a course of Law, at the University of Michigan, having spent a two weeks vacation with his parents.

EVERY FARMER

is entitled to interest on his funds deposited in Bank. The bank makes money on these funds, and it is only fair that the profits should be divided between the bank and its depositors.

The above is also true of all persons who do not do an active checking business.

The American Trust Company, of South Bend, pays 4 per cent interest on farmers deposits and all non active accounts. All funds received on or before January 10, 1905, will begin to bear interest January 1.

Any farmer or other person having idle funds is most cordially invited to open an account with the American Trust Company.

We would especially appreciate a personal visit. If it is inconvenient to come in person with your deposits, please write us and we will reply explaining to you how you can transact your banking business with us by mail just as safely and satisfactory as if you were able to come in person.

The American Trust Company is one of the strongest financial institutions of Indiana. It possesses a capital of \$200,000. It has one of the strongest burglar proof vaults ever built. Its equipment is complete. Its managers enjoy the fullest confidence of all who know them, and though less than one year old, its deposits are nearly half million dollars. Let us hear from you either in person or by letter.
AMERICAN TRUST CO.,
South Bend, Ind.

PATENTS

PROCEDED AND DEFENDED. Send model, drawing or photo. for expert search and free report. Free advice, how to obtain patents, trade marks, copyrights, etc., IN ALL COUNTRIES. Business direct with Washington saves time, money and often the patent.
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828 Ninth Street, opp. United States Patent Office, WASHINGTON, D. C.

CASNOW & CO.

Our printing will please you. Give it a try.

QUALITY

Has given us our reputation and our output enables us to name
Rock Bottom Prices

If You Want the BEST GOODS for the Least Money
—TRADE AT—

Buchanan Cash Grocery

Leaders in Low Prices and First-class Goods.

MAPLE SYRUP & MAPLE SUGAR

NEXT SATURDAY, JAN. 14.



MECHANICS

who require high grade tools will find it to their advantage to attend our sales. Cross cut and rip saws that hold their edge. Screw drivers that never slip. Two foot boxwood rules absolutely accurate.

WRENCHES

Hack saws, Hammers and Planes. Prices that will appeal to you.

G. A. WESTGATE.

Buy North Alabama Farms

Good Soil, Good Climate, Cool Summer, Short Winter in Tennessee River Valley.

- No. 107—40 acres; gray clay loam, watered by springs, 20 acres under fence. 3-room log house, log barn, etc. 5 miles from Athens, 11-2 miles from school. This place has some fine saw timber on it (hard wood) which can be sold at the mills in town. Price, \$12 per acre.
- No. 108—80 acres; red clay soil, 45 acres in cultivation, 6-room building with hall, 1 acre in orchard, 12 miles to Athens and about the same to Huntsville, 1-2 miles to school, good well and several springs. Some good poplar and oak timber on this. Price \$15 per acre.
- No. 109—100 acres; Twp. 23 R. 3, fine red soil, good well and spring, 6-room dwelling, 3 large barns and plenty of out-houses, 2 1-2 miles from station, 12 miles from Athens. Public road runs through the place. Price \$15 per acre.
- No. 111—80 acres, 3 miles from Athens in Twp. 3 R. 4, 40 acres in cultivation, 2 acres of orchard, some good timber, fine spring water, partly red and partly gray loam soil, 2-room frame building on the place. Price, \$15 per acre.
- No. 114—160 acres; 40 acres in cultivation, 2 3-4 miles from Athens, on good road. Two sets of log buildings and out houses on the place, and some good timber which will make splendid land when cleared, good well, fine red soil. Price, \$12.50 per acre.
- No. 117—80 acres; 8 miles from Athens, red clay soil. This is all timber and the timber will more than pay for the land when cleared, fine red clay soil. Price, \$12.50 per acre.

For Full Particulars Call on or Write
C. B. TREAT & CO.
Real Estate Agents, BUCHANAN, MICH.

GREAT SCOTT!

Don't be deceived by smooth talk but go to the Old Reliable where you can buy the best robes, horse blankets, fur and imitation buffalo overcoats, buggies, bob sleighs, cutters, bells, single and double harness, whips, tank heaters and, in fact almost everything that goes to make up a first class implement and vehicle house.

REMEMBER

We sell International Stock Food also the Columbia Stock Food and many other things that we cannot mention here. All our goods are warranted first class, having been bought early and at rock bottom prices, will be sold at prices unheard of. Remember we have a large lot of those sample blankets and lap robes of fine quality at very low prices. Thanking you for your past patronage and asking you for a continuance of the same, we are
Respectfully Yours,

PIRECE & SANDER

Buy
MORLEY'S
New Troy Mills
CHOICE BUCKWHEAT
FLOUR
 Guaranteed Pure.
 For sale by C. D. Kent,
 C. B. Treat & Co. and
 B. T. Morley.

REDUCED RATES
IN LIVERY

Having secured the work with the funeral car I have added a fine hack to my stock and other new rigs suitable for the business. I will make funeral work a specialty and will make special rates in all livery and will send a driver in case they are wanted without extra charge.

W. D. House

Seasonable goods
 * * * *

- Hot Water Battles
- Fountain Syringes
- Rubber Nipples
- Flesh Brushes
- Rubber Bath Mitts
- Rubber Bath Brushes
- Bath Sponges

W. N. BRODRICK
The Druggist

W. W. WOOD
Expert

Watch and Jewelry Repairing

Old Gold and Silver Bought.

Buchanan, Mich.

First publication Dec. 23, 1904.

Estate of Geo. H. Richards, Deceased.

STATE OF MICHIGAN, the Probate Court for the County of Berrien, do hereby certify that at a session of said Court, held at the Probate Office in the City of St. Joseph in said County, on the 20th day of December A. D. 1904. Present: Hon. Frank H. Ellsworth, Judge of Probate. In the matter of the estate of George H. Richards, deceased. Joseph L. Richards and George B. Richards having filed in said Court their final administration account, and their petition praying for the allowance thereof and for the assignment and distribution of the residue of said estate. It is ordered, that the 15th day of January A. D. 1905, at ten o'clock in the forenoon, at said probate office, be and is hereby appointed for examining and allowing said account and hearing said petition. It is further ordered, that public notice thereof be given by publication of a copy of this order, for three successive weeks previous to said day of hearing, in the Buchanan Record, a newspaper printed and circulated in said county. (A true copy) FRANK H. ELLSWORTH, ROYLAND E. BARR, Judge of Probate. Register of Probate. Last publication Jan. 13, 1905.

NEW LIVERY..

Having rented the Front Street Livery Barn and put in a full line of first class rigs, I am prepared to accommodate the public with the best Livery service at all times at reasonable prices. A specialty made of feeding.

Geo. Batchelor, Buchanan

Spoiled Her Beauty
 Harriet Howard, of 209 W. 34th St. New York, at one time had her beauty spoiled with skin trouble. She writes: "I had Salt Rheum or Eczema for years, but nothing would cure it, until I used Bucklen's Arnica Salve." A quick and sure healer for cuts burns and sores, 25c at All Druggists.
 Bring your printing to the Record.

Council Proceedings

The regular meeting of the Common Council of the village of Buchanan was held in the council room, Tuesday, Jan. 3, 1905.

President B. R. Desenberg presided. Trustees present on roll call, Pears, Curtis, Kingery, Adams, Phillips. Absent Trustee, Ravin.

Minutes of last meeting read and approved.

The finance committee presented the following bills and recommended that they be allowed and orders drawn for the same.

CEMETERY FUND	
GENERAL FUND	
Joseph Shook, labor	\$2 53
C. W. Groves, marshal mouth of Dec.	\$15 00
B. Brant, night watch mouth of Dec.	10 00
Arlin Clark, engineer W. W. Walter French, engineer W. W.	40 00
H. C. Eisele, postage and exchange	2 12
Geo. B. Leininger, formaldehyde	10 80
J. T. Wing & Co., valves W. W.	6 99
E. S. Roe, supplies W. W.	5 08
H. R. Adams, coal W. W.	24 57
Rynearson and Jarvis, repairs W. W.	4 55
Buchanan Record, printing 100 smallpox ordinances	1 25
Buchanan Record, printing council proceedings and statements	3 60
H. O. Weaver, lettering box	1 75
Goodyear Rubber store, supplies	14 32
J. P. Anstiss, freight and cartage	45
New River and Consolidated Coal Co.	48 95
Pere Marquette R. R. Co. Freight on Coal,	92 30
" " " "	57 75
S. W. Swartz hauling coal,	38 03
First National Bank Exchange,	1 50
Total,	408 91
Highway Fund	
C. W. Groves St. Commissioner for December,	\$20 00
Dell Smith labor on street,	1 35
A. G. Morley " " "	3 13
Geo. Mitchell " " "	4 25
H. Blodgett " " "	3 45
James Tolman " " "	60
Total	33 78
Recapitulation	
Cemetery Fund	2 53
General " "	408 91
Highway " "	34 78

Moved by Mr. Curtis supported by Mr. Phillips that the bills be allowed and orders drawn for same. Ayes, Pears, Curtis, Kingery, Adams, and Phillips.

Moved by Mr. Curtis supported by Mr. Kingery that Council adjourn. Motion carried.

B. R. Desenberg, Pres.
 H. C. Eisele Clerk

Foxy Chinese.

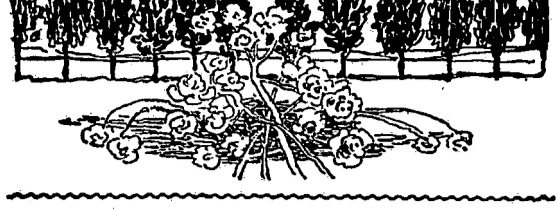
An English writer, commenting on the rumor that Gen. Kuroparkin allowed horses and mules to graze among the graves of honored Chinese dead, declares that Chinese are not likely to be much shocked at such a circumstance. He says that the religions of the orient, of course excepting Mohammedanism, are mere rituals without meaning—the dead husks of forgotten faiths. He tells of a Chinaman whom he found burning counterfeit bank bills as a sacrifice to his joss. It was pointed out to him that the sacrifice was useless, as the notes were worthless. To this the Chinaman replied, with a knowing leer: "Joss no savvy."

First Publication January 10, 1905.

NOTICE

To the owner or owners of any and all interests in the land herein described, and to the mortgagee or mortgagees named in all undischarged recorded mortgages against said land or any assignee thereof of record: Take Notice that sale has been lawfully made of the following described land, situated in the County of Berrien, State of Michigan, for unpaid taxes thereon, and that the undersigned title thereto under tax deed issued therefor, and that you are entitled to a reconveyance thereof at any time within six months after service upon you of this notice, upon payment to the undersigned, or to the Register in Chancery of the County in which the lands lie of all sums paid upon such purchase, together with one hundred per cent. additional thereon, and the fees of the sheriff for the service or cost of publication of this notice, to be computed as upon personal service of a declaration as commencement of suit, and the further sum of five dollars for each description, without other additional costs or charges. If payment as aforesaid is not made, the undersigned will institute proceedings for possession of the land. Descriptions of land, situated in Berrien County, State of Michigan, west half of following: beginning eleven rods North of Southwest corner of Northeast quarter of Southeast quarter, East Forty-seven and one third rods, North Eight and Eighteen hundredths rods west, Forty-seven and one third rods, South Eight and Eighteen hundredths rods except alley Sec. 26, Town 7, Range 18 west, Amount of Tax, \$4.34, for year 1896. Dated January 7, 1905. Yours respectfully, Buchanan, Mich., Berrien County. Last Publication January 31, 1905.

HORTICULTURE



THE BROWN-TAIL MOTH.

Insect Which Is Ravaging New England and Gradually Working Its Way West.

A little over seven years ago the brown tail moth, an insect pest which has tormented the horticulturists of Europe for generations, probably for centuries, was introduced into this country. It first made its appearance in Somerville, eastern Massachusetts, and during the seven years the entire northeastern part of the state has been infested, the pest has crossed into Maine and New Hampshire, and specimens have been found as far distant as St. John, N. B. The brown tail moth is a snow white insect, with gold or brown tips, which give it its name. Its eggs, laid on the leaves of fruit trees, are hatched in the late summer, and soon a multitude of tiny caterpillars are to be found devouring the tender foliage. As winter approaches, the caterpillars construct heavy webs, into which they withdraw when cold weather arrives, and where they hibernate until spring, when they burst forth to complete their growth at the expense of bud, blossom and leaf. In June they bring their destructive careers to an end, and a few weeks later another army of moths emerges from the cocoons, ready to take up the work of devastation. The pest was brought across the water upon some plants imported by a florist. It made itself at home immediately and

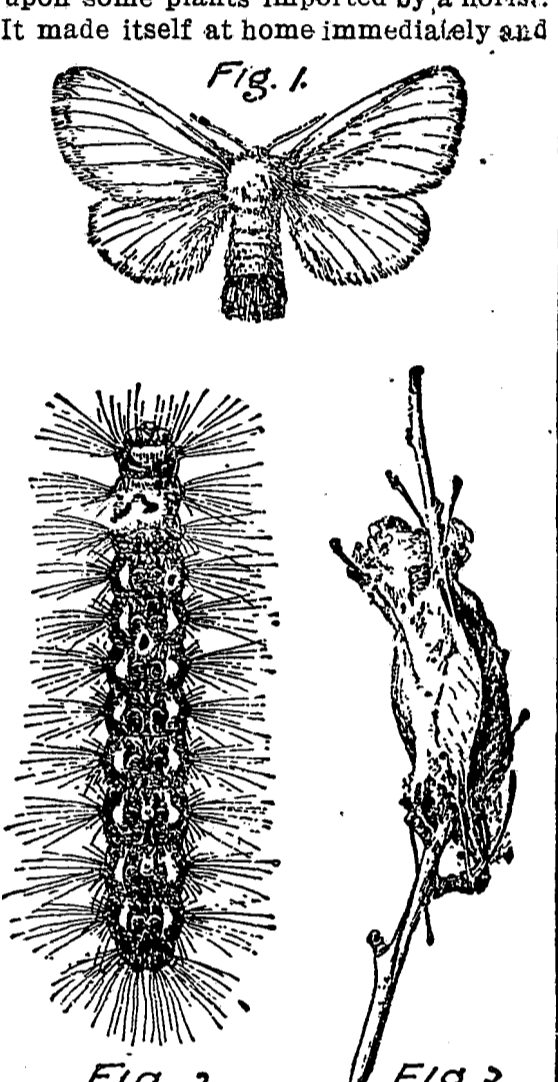


Fig. 1.—The Brown-Tail Moth. Fig. 2.—The Caterpillar Enlarged. Fig. 3.—Winter Web of the Caterpillars.

proceeded to propagate its species upon a wholesale scale. At first it confined its attention almost entirely to pear trees, but as the pest increased in numbers, other trees were attacked.

The brown tail moth differs in its life history from the gypsy moth to a considerable extent. The female brown tail, for example, is able to fly freely, while the female gypsy moth, although it has fully developed wings practically never uses them.

The mating of the brown tail moths takes place soon after the insects emerge from the cocoons, early in July. Within a few hours afterward the eggs are deposited, usually on the underside of leaves near the tops of trees, but sometimes on buildings or fences, and even under the steps, making it a difficult matter to locate the nests for the purpose of destroying them.

As soon as the young are hatched, they commence feeding on the leaves where they find themselves, when the nests are in trees. Little by little they increase their feeding radius, but usually return to their original home at night. The brown tail is peculiar in the fact that the caterpillars attain only half their growth in one season, hibernating through the winter in silken webs of their own construction. They begin early to weave these webs, choosing the ends of twigs.

The interiors of the webs are found to consist of a series of little chambers in which are from six to 20 larvae. The larvae, or tiny caterpillars, go into winter quarters during September, and emerge again in late March or early April, according to the state of the season. The larva molts two or three times in the fall and four times in the spring. When fully developed in June, the caterpillars are an inch to an inch and a half in length.

The habit which the brown tail has of going into winter quarters early each season is a distinct advantage to suffering humanity, for it makes much easier the work of extermination. When the trees are barren of their foliage, the tents or webs are easily located, and it becomes a comparatively simple matter to cut off the twigs on which they are found or to thrust a torch into the tree and consume the web and its contents.

The webs must be burned, says E. D. Farrington, in Country Gentleman. That alone is effective. It is almost impossible, too, to be sure that all of the webs in a given locality have been destroyed. Some may have been constructed in out-of-the-way places, and so escape. In that case the moths will soon increase again so rapidly that the whole district will be infested once more.

MYSTERY IN SOME FRUITS.

Example of the Banana Given—Is Seedless and Yet There Is No Explanation.

The banana is seedless, or nearly so, and has been for centuries, though nobody knows why. It is propagated by suckers, and possibly had no seeds when it was first found in its wild state. The banana is a modified berry. Cutting the fruit through the middle you will sometimes see very little brown spots, which are the rudimentary seeds. Occasionally the banana does actually produce a few seeds.

The pineapple is seedless, being propagated likewise from suckers and from slips. The egg plant, which is a fruit, botanically speaking, is occasionally seedless. This plant is able to produce developed fruit whether the blossom is fertilized or not. Horticulturists are endeavoring at the same time to rid fruit plants of thorns. Some oranges and lemons are very thorny—for example, the high-priced King orange, which is the very best of the mandarins. It is rarely seen in this market. The first trees were brought to the United States from Cochinchina. In Florida its thorniness has been reduced by selecting buds from the branches with the fewest thorns. Thorns are objectionable because they puncture the oranges and lemons when the oranges are blown about by the wind. Efforts are being made to get rid of the thorns on raspberry and blackberry plants, simply for convenience in picking the fruit. The thorns are meant by nature to protect the plant from animals. Cultivators select those plants which happen to be thornless or nearly so.

DAIRY HINTS.

A good cow must be a hearty eater. Cows on pasture should be fed some grain.

A small milk pail goes with a small feed scoop.

Weed out and sell the cow boarders before putting the herd in winter quarters.

In purchasing a cow for butter and milk do not be carried away by the breeding of the animal, but see that she has individual merit.

The dairy cow is bred to take as little as possible for her own support and to yield as much as possible into the milk pail in the form of milk.

A well-managed dairy herd is one of the most important factors on the general farm, as it brings in a steady income from day to day throughout the entire year.

For Thin Babies

Fat is of great account to a baby; that is why babies are fat. If your baby is scrawny, Scott's Emulsion is what he wants. The healthy baby stores as fat what it does not need immediately for bone and muscle. Fat babies are happy; they do not cry; they are rich; their fat is laid up for time of need. They are happy because they are comfortable. The fat surrounds their little nerves and cushions them. When they are scrawny those nerves are hurt at every ungentle touch. They delight in Scott's Emulsion. It is as sweet as wholesome to them.

Send for free sample.
 Be sure that this picture in the form of a label is on the wrapper of every bottle of emulsion you buy.
Scott & Bowne
 Chemists
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 50c and \$1.00
 All Druggists

Cure Your Cough
 stop your Lung Irritation, relieve your Sore Throat and drive out your Chronic Cold, with the only certain, and strictly scientific, Cure for Coughs and Colds:
DR. KING'S
NEW DISCOVERY
FOR CONSUMPTION
 Almost in Despair.
 "Our little daughter was given up by two physicians with consumption of the throat, and we were almost in despair, when our druggist recommended Dr. King's New Discovery. After taking four bottles she was perfectly cured and has had no throat trouble since."
 —GEO. A. EYLER, Cumberland, Md.
 Price, 50c and \$1.00
TRIAL BOTTLES FREE
 RECOMMENDED, GUARANTEED AND SOLD BY
ALL DRUGGISTS.

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