

TAWAS HERALD.

VOLUME XX.

TAWAS CITY, MICHIGAN, FRIDAY, FEBRUARY 13, 1903.

NUMBER 7.

Cost and Profit of Beet Production.

For the benefit of those who doubt that there is money in the growing of sugar beets we copy the following article from the last report of the U. S. department of agricultural, believing it will be of interest to the farmers of this county. The average price of beets in this locality is from \$5 to \$6 per ton, which figuring on this basis, would make the profit per acre from \$30 to \$42. What crop can the farmer raise which will pay for all his labor and such a net profit?

"It costs about \$30 per acre to produce sugar beets and to market the crop where the rain conditions prevail. This is without taking into consideration the rent of the land, but it includes the farmer's time and everything else that enters into the cost of production. According to the table on page 36 the average yield of sugar beets for 1901 was 9.6 tons per acre. Abundant evidence exists, however,

to show that this is exceptionally low, and that adequate care and suitable methods of cultivation promise a very much higher average of yield. In making the following calculations I have taken as a basis an average yield of 12 ton per acre. The experience of all careful growers will show this estimated average to be under rather than over the mark. The cost of production will decrease gradually because of improvements in implements and methods. The beets grown have a gross value at the factories of \$4 to \$4.50 per ton (in states paying no bounty.) This gives a gross return per acre of \$48 to \$54, and a net profit of \$18 to \$24. It must be kept in mind that these are averages of gross and net proceeds. It is never very encouraging to consult the average of agricultural crop statistics; indeed, it is often said that "the average crop does not pay." If one should take the figures of the average crop of corn in Iowa, for instance, or the average crop of wheat in Minnesota or Kansas,

and compute the proceeds at the average market price and deduct therefrom the cost of production, the results would show a very small remuneration or an actual loss quite discouraging to one who has not investigated this subject.

Taking what seems to be the most authentic figures, the cost of producing sugar beets in sections where they are grown by irrigation is about \$40 per acre. An average of 13 tons per acre can be produced having a higher sugar content and worth \$4.50 to \$5 per ton, making the gross proceeds \$58.50 to \$65 and the net profit \$18.50 to \$25 per acre. These figures give to the farmer in each case a profit greatly more satisfactory than in the case of other crops. But the successful farmer will never be satisfied with the average proceeds of any crop, and it is to him we must look for the results that give the more encouraging inducements to beet culture. Many growers receive as high as \$75, and some as high as \$100, per acre for their beets, these high results depending upon the superior quality of the land and the superior skill of the one producing the beets. If a farmer has poor land or is a poor farmer, he is not in a position to expect much in planting any kind of crop. These statements are sufficient to give a farmer who is experienced in all other kinds of crops a fair insight into the situation."

School Report.

Report of the Tawas City schools for month ending Jan. 30, 1903.

FIRST PRIMARY.—WINNIE DUPRAW, Teacher.

Number enrolled during the month, 47; average daily attendance, 40; average number belonging, 44; neither absent nor tardy; Edith Sawyer, Herbert Marsh, Mathias Pfeiffer, Howard Murphy, James Murphy, Eddie Harding, Leo Bay, Hubert Murphy.

SECOND PRIMARY.—IDA HARTLEY, Teacher.

Number enrolled during the month, 46; average daily attendance, 39; average number belonging, 43, neither absent nor tardy: John Galbraith, Willie Bay, James McGarry, Kenneth Goldie, Lottie Bay, Willie McCue, Leo Halleck, Collin Sawyer, Kenneth McCue, John Trainor, Kenneth Webster, Lottie VanHorn, Veronica McCue, John Groff, Edmund Halleck, Charles Johnson.

Highest average standing: Tillie Duzesky, 90.

GRAMMAR DEPARTMENT.—MARY BLACK, Teacher.

Number enrolled during the month, 44; average daily attendance, 41; average number belonging, 44, neither absent nor tardy: Millard Davis, Ethel Garber, Lavina Cox, Victoria Green, Eva Ross, Francis Halleck, Freddy Brabant, Rhea Lowe, Stella Murphy, Margaret Gauthier, Lorna Sawyer, Nina Sawyer, Bert Stickney, Lloyd VanHorn, Audley Redhead, Nellie Murphy, Mattie Wilson, Tillie Graf, Maudie Baxter, Lucile Smith, Charlotte Jahraus, Gracie Birney, Jennie Birney, James Mark.

Highest average scholarship, Millard Davis, Ethel Garber, 94.

PRIMARY DEPARTMENT.—MARGARET MURPHY, Teacher.

Number enrolled during the month, 42; average daily attendance, 36; average number belonging 39, neither tardy or absent: John Halleck, Dorothy Lowe, George Brabant, Byron Mark, Clayton Baguley, Isadore Friedman, Dolphus Armstrong, Jackie Wortz, Bernice Whittemore, John Swartz.

Highest average standing: Michael Halleck, George Brabant, 96; Edna Musolf, Fern Cornville, Hosea Bigelow, 95; Byron Mark, Fern Hinton, Josie Bigelow, Mildred Farmer, Russel Birney, Bernice Whittemore, 94; Jake Wortz, 93; Isadore Friedman, 92; Frank Halleck, Martin Musolf, Clayton Baguley, John Swartz, Robert Murray, 91; Clarence Moore, 90.

INTERMEDIATE DEPARTMENT.—T. E. SHAVER, Teacher.

Number enrolled during the month, 46, average daily attendance, 42; average number belonging, 44, neither absent or tardy: Edith Baguley, Don Garber, Bell McRae, Mamie Swartz,

Fred Swartz, Henry Buckholtz, Ethel Whittemore, Frank Bluee, Blanche Wortz, Joe Brabant, Arminta Brabant, Fern Mark, Hymie Friedman.

Highest average standing: Atlee Mark, 96; Lukie Murray, 94; Edith Baguley, Anna Sands, 93; Don Garber, Bell McRae, Elsie Musolf, 92; Leota Johnson, Mamie Swartz, 90.

HIGH SCHOOL DEPARTMENT.

EDYTH WALKER, Preceptress,

Number enrolled, 49; average daily attendance, 47; average number belonging, 48; neither tardy or absent; Edith Bradley, Ina Bradley, Burnetta Bennett, Katie Ballottman, Harold Brabant, August Blust, Nina Crandall, Grace Davison, Agnes Galbraith, Mattie Galbraith, Stella Friedman, Lois Garber, Maggie McGill, Maggie McRae, Lulu Murphy, Lizzie McCue, Grace McCue, Mary Martin, Gertie Moore, Ada Marsh, Grace Redhead, Floral Ramage, Cyrilla Ramage, Mable Ross, Carl Taylor, Harlow Whittemore, Ida Windgrove, Etta White, Ernest Kasischke.

Highest average standing: Grace Redhead, 95; Agnes Galbraith, Maggie McGill, Nina Crandall, Etta White, Stella Friedman, Harlow Whittemore, Ida Katterman, 94; Ada Marsh, Lois Garber, 93; Floral Ramage, Pearl Hurlbert, Ernest Kasischke, Mattie Galbraith, 92; Burnetta Bennett, 91; Grace McCue, 90.

Total enrollment, 274; average daily attendance, 245; average number belonging, 262.

A. A. ELLSWORTH, Supt.

And he Liked it.

A Lexington gentleman who often breaks his fast alone of mornings recently complimented his wife on the excellent breakfast food she had provided him with. An examination proved to the horror-stricken wife that her wretch of a husband had eaten all her recently purchased birdseed.—Lexington News.

Better Than Gold.

"I was troubled for several years with chronic indigestion and nervous debility," writes F. J. Green, of Lancaster, N. H. "No remedy helped me until I began using Electric Bitters, which did me more good than all the medicines I ever used. They have also kept my wife in excellent health for years. She says Electric Bitters are just splendid for female troubles; that they are a grand tonic and invigorator for weak, run down women. No other medicine can take its place in our family." Try them. Only 50c. Satisfaction guaranteed by J. E. Dillon and Dr. Darling.

Eight Times in an Evening.

"The woman who loves her jewels wears them. Sometimes she wears too many. We sympathize with the temptation. So, too, it seems, does the Queen of Spain. She owns hundreds of rings of every sort and variety. She decided sensibly that it would not do to wear them all at the same time. Given ten fingers, one cannot crowd with the best will in the world more than two dozen rings upon them. Her Majesty finally hit upon a plan unique enough to be recommended. She changes her rings seven or eight times during the course of an evening. Admire a pearl, and five minutes later, if you are an observant guest, you will see it substituted for a ruby or a diamond. The process takes but a minute, and it satisfies a queen who reasons that if she doesn't wear her rings they must be locked in a safe."—From the February Cosmopolitan.

Escaped an Awful Fate.

Mr. H. Haggins of Melbourne Fla., writes, "My doctor told me I had Consumption and nothing could be done for me. I was given up to die. The offer of a trial bottle free of Dr. King's New Discovery for Consumption, induced me to try it. Results were startling. I am now on the road to recovery and owe all to Dr. King's New Discovery. It surely saved my life." This great cure is guaranteed for all throat and lung diseases by J. E. Dillon and Dr. Darling, Druggists. Price 50c and \$1.00. Trial Bottles free.

IOSCO COUNTY OCEAN STEAMSHIP AGENCY

Representing the following First-class Steamship Companies:

CUNARD LINE, WHITE STAR LINE,
AMERICAN LINE, INMAN LINE,
NORTH GERMAN LLOYDS, RED STAR LINE,
INTERNATIONAL MERCANTILE MARINE COMPANY.

Tickets Sold To or From Any Part of the World. Rates Same as Chicago or New York.

HENRY HANSON, Agent.
Opera House Block. EAST TAWAS, MICH.

TAWAS SUGAR COMPANY.

East Tawas, Mich.

We Desire to Invite the Attention of Farmers to the Matter of Growing Sugar Beets.

WE WANT you to grow Sugar Beets and contract now for the delivery of beets to our factory during the campaign of 1903. We will lend you all the assistance possible and have a competent man give you any instructions and advice you desire, in the preparation of land and the cultivation and harvesting of the crop from time to time.

Having the co-operation of the D. & M. R. R. Co. with us, you can feel assured of having the best service possible in the way of getting cars as required for the delivery of beets, and ours being the only factory on their line, the R. R. Co. will do all they can to assist beet growers in the delivery of beets to our factory.

Our solicitors for beet contracts will be in your vicinity very soon and we trust you will consider the matter favorably and contract for as large an acreage as you feel that you can take good care of for our factory, which will be ready for operation in October next.

Our policy will be to co-operate with you in every way possible that will work to our mutual advantage. We will be glad to answer any inquiries you desire to make on the subject and to show you the location of our plant and the erection of the factory as it progresses, when you are in the city.

TAWAS SUGAR CO.

JAMES LABERGE,

East Tawas, Mich.

SHOES AND FURNISHING GOODS.

We have the most complete line of up-to-date goods, and sell them at right prices. We solicit your patronage and promise satisfaction. Come and see us.

NEW WALL PAPER,

Coming in by the Wagon Load!

Call and see our Beautiful New Line Before the Spring Rush.

A LOT OF LAST YEAR REMNANTS FOR SALE CHEAP!

KING'S FURNITURE STORE.

EAST TAWAS, MICH.

East Tawas Hand Laundry.

TELEPHONE No. 4.
Tawas City Branches { N. Brabant's Barber Shop.
Geo. W. Mount Store.
Amos Fortier, Prop.

W. H. CARSON J. M. EALY. JOHN McNAIR.

Carson, Ealy & Co., Bankers,

East Tawas, Mich.
Individual Responsibility, One Million Dollars.

Transact a General Banking Business.

Four Per Cent Interest Paid on Time Deposits.

Money to Loan on Farm Mortgages,

In Sums from \$50 to \$5,000 on Long Time, Low Rates and Liberal Terms.

FRED C. ZIMMERMAN, Cashier.

Our Aim?

Is to keep the Quality of our goods Up and the Prices Down!

The target shows "centers" continually.

We have Just Received a Fresh Stock of Blanke's Teas and Coffees. We invite you to compare them with any you are now paying more for and let us know the result.

We Carry the BEST in all Lines of Goods!

Try our Canned Goods! The line is complete and the Quality and Price Right. Only a few of those 99 cent assortments left.

THE CORNER STORE,

STICKNEY & ROBINSON.

Phone 57. Tawas City.

From 15 to 25 Per Cent Saved on Every Dollar You Spend at Friedman's, Tawas City.

Published Every Friday, and Entered at the Postoffice at Tawas City, Michigan, as Second Class Mail Matter.

Subscription Price, \$1.00 Per Year When Paid in Advance. If not so paid \$1.50 will be charged.

ADVERTISING RATES:—Display advertisements, 10 cents per inch; reading notices 5 cents per line. All resolutions of condolence, obituary poetry, cards of thanks, or notices advertising entertainments for which an admission is charged, 5 cents per line.

Phone No. 68.

TAWAS CITY, MICH., FEB. 6, 1903.

Why This Kicking.

We wish to take certain implied ideas in Mr. Goldie's communication in our last issue as a text for a short sermon. Mr. Goldie, in common with some other farmers, seem to believe that anything which pertains to the country or agricultural pursuits, should be of no interest to people living in the towns. Since residing here we have often heard this assertion made in connection with the farmers' institute, the agricultural society, good roads and other subjects. Why, we are at a loss to understand. That the towns must depend, of necessity, upon the farming community for support there can be no doubt. That the country is equally dependent upon the towns we believe cannot be successfully denied.

This being the condition of affairs we cannot see the truth, or the sense, of such assertions as above referred to. It would seem to us that the success of all institutions which tend to advance the agricultural interests, equally effect the prosperity of our towns, and the townspeople should take an active interest in them.

The common sense thing would be for the people of both towns and country to join in hearty co-operation in the advancement of all these things. The farmers should welcome all aid given their institutions by the people of the towns. If this rule should be adopted by certain men who now never fail to find fault when any interest is shown by townspeople in anything pertains to agricultural pursuits, both would be benefitted thereby. Co-operation means success, while division means failure. Let us have co-operation.

No Injury Yet.

In the monthly crop report issued Tuesday, by Secretary of State Warner says that during the month of January both temperature and precipitation were practically normal. Conditions were much the same all over the state. There was very little freezing and thawing and consequently no damage to wheat.

The total number of bushels of wheat reported marketed by farmers in January at flouring mills is 227,917, and at elevators 79,263, a total of 307,180 bushels. Of this 168,600 bushels were marked in the southern four tiers of counties, 119,463 in the central and 19,087 in the northern counties. The total number marketed in the six months, August-January, is 2,472,978 or 352,384 bushels more than reported marketed in the same months last year. At 41 mills and elevators from which reports have been received, there was no wheat marketed in January. The total amount of wheat shipped by railroads from the various stations, as reported for December, is 67,435 bushels.

Live stock throughout the state is in fairly good condition. The condition in the state, of horses and swine is 96, and of cattle and sheep 95.

Our Educational Exhibit.

Every teacher should make an effort to have a creditable educational exhibit at our next annual fair. The society has made a radical departure from the old method of premium giving. Two silk flags, suitably inscribed are offered. One to the graded school, having a high school, the other to the district school making the best showing. These emblems are to be held until the next annual fair, then returned and competed for again. Any school succeeding in winning the flag in its class three times in succession becomes the owner of the same. Preserve all your best work and you will be surprised at the showing your district can make. Ordinary paper 8x11, 9x13 is the best. If you can not obtain these sizes try and get your paper as near above as possible. A spirited rivalry will result in much interest being aroused both in pupils and patrons. Every progressive teacher will see that his district is represented in the 1903 exhibit.

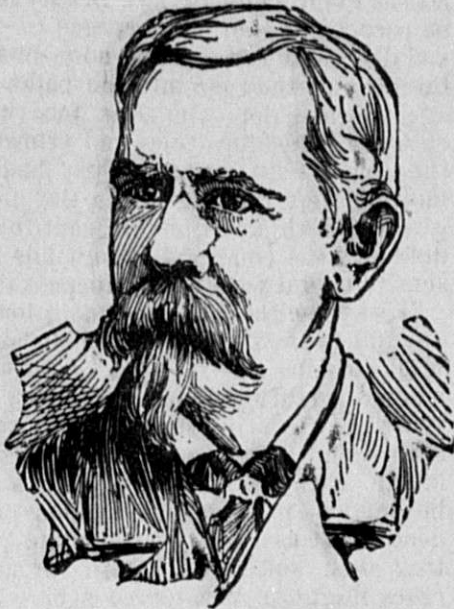
J. A. CAMPBELL, Commissioner.

WORK BEGINS.

All Doubts as to the Erection of the Sugar Factory should Now Cease.

Last Saturday three loads of tools to be used in the erection of the Tawas Sugar Company's factory arrived, and Monday Contractor W. J. Spear and eight of his experienced men arrived from Toledo and began unloading the tools and preparing to begin work at once.

The preliminary work necessary before the work on the plant proper begins, is no small job, as there is a



W. L. CHURCHILL, President of the Tawas Sugar Company

large amount of machinery to be placed. We are informed that as soon as possible after the temporary buildings for the storing of tools, etc., are completed, that work on the plant will be commenced and rushed to completion, both night and day crews being used.

Secretary Walsh informs us that the laboring men of the Tawas will be given the preference, and outside help will not be employed unless absolutely necessary. A large crew will be required, and our laboring men should find this a good summer.

Those farmers who have been skeptical as to the building of the factory should now come forward and make liberal contracts for the growing of



J. H. WALSH, Secretary of the Tawas Sugar Company

beets. The company wants every acre they can secure. The more beets that are raised the more money will find its way into circulation and the better will be the condition of both towns and the country. There can be no doubt that the location of this factory will do more for the development of Ioseo county than anything that has ever been located therein. Both town and farming properties are rapidly advancing in price and our unoccupied lands are being developed. The future of the Tawas and Ioseo county were never brighter than at the present time. Other industries of much magnitude and importance are under contemplation and will be in shape to be announced before many moons.

Laidlawville.

Coasting parties are the rage in our little town.

Born, Feb. 5, to Mr. and Mrs. Lester Wright, a daughter.

Miss Maggie McGill, of Tawas City, spent Saturday and Sunday with Ina Shippy.

Mrs. Jessie Webster, of Tawas City, spent Saturday at the home of Mrs. F. Woods.

All the farmers took advantage of the snow storm and brought home some fine wood.

Amos Lake left Monday for Lapeer. He will also visit his sister at Alma before returning.

Gus Geodecke has gone to Ann Arbor where he will receive treatment for throat trouble.

August Zimmeth was confined to his bed for a few days with la grippe, but is better at present.

The infant daughter of Mr. and Mrs. Sam Whiteside was very ill, but is reported better at present.

The oyster supper and entertainment given last Friday evening was a great success. The proceeds amounting to \$15 will be used in purchasing books to replace the library lost by fire. The program was short but good and much praise is due the East Tawas boys for the assistance rendered. Every one present thoroughly enjoyed their singing and would be pleased to hear them again in the future, so come again, boys, you will always be welcome.

Wilber.

There was no preaching service in the Methodist church here last Sunday owing to weather conditions. Preaching next Sunday at 3 p. m.

Mrs. A. Murray, who has been visiting her sister, Mrs. Robert Brooks, was suddenly called to the bedside of her husband who was injured in camp by the falling of a limb.

The Ladies' Aid of Tawas City M. E. church were entertained by the Wilber Ladies' Aid at the home of Mrs. James Syme on Wednesday. A delightful afternoon and evening were spent by more than a score, who were present.

Hemlock Road.

It is reported that Fred is better.

Charlie Brown returned home Saturday from Sault Ste. Marie.

There are quite a number of cases of whooping cough in the vicinity.

The ladies aid met at the home of Miss Nellie Scarlett Wednesday.

W. VanSyckle, of Maple Ridge, visited Herb, Herriman this week.

Mabel, the little daughter of Mr. and Mrs. John Rodman is quite ill.

Will Tompkins and Arthur Ross went to the woods at Rose City Wednesday.

Miss May King entertained the Misses Hartinghs, of Tawas City, Sunday.

Miss Minnie Smith returned home Friday, after an extended visit at Jackson.

Quite a number of our young people attended the entertainment at Laidlawville.

Mr. Reuben VanSyckle is moving his family to Maple Ridge where he has rented the Goldie farm.

Mrs. E. Laidlaw, of Laidlawville, is visiting her parents Mr. and Mrs. Culham and friends this week.

Miss Nina Hickingbottom, of Mills, returned to her home after a few days visit with her sister Miss Hickingbottom.

Miss Florence Scarlett left Wednesday for Saginaw, where she will receive medical treatment at the General hospital, her father will accompany her there.

Whittemore.

Mrs. Violet Hall went to Tawas City Tuesday.

Lockwood keeps the road hot hauling lumber.

We are all in the swim again—snow nearly gone.

Dr. McColl now drives two horses on his cutter.

Rev. Wood is conducting services in the Saints church.

Eli Dutton was in Bay City on business Wednesday.

Mrs. H. Apley, of Montrose, is visiting her sister, Mrs. Eli Dutton.

George Armstrong's dog, Dewey, got a dose of poison, Monday, but prompt attention saved him.

Word received from W. H. Kelley, informs us that he is cooking in a camp for J. Keils, near Wilson, U. P., and is giving the best of satisfaction.

South Branch.

Ames Cripps was in town Tuesday, hustling insurance business.

A social hop will be held at the home of Silas Doane Friday evening.

Ambrose Schill, of East Tawas, made our berg a pleasant call Tuesday.

Mrs. William Patriek, who has been seriously ill, is again able to be around.

Mrs. W. Pemberton returned Monday from a visit with friends at Detroit and in Canada.

The lumbermen are hustling to get their timber on the banking grounds while the snow lasts.

H. A. Savage, of Saginaw, is here for the purpose of completing the organization of a court of I. O. F.

F. L. Twining, of Twining, passed through town the other day, on his way to Lupton, where he is starting a camp, to get out mine props.

Quarter Off Sale!

We are the Losers; You Gain by the offer, but we had rather have the money than to carry winter goods over to another season, and will give you One-Quarter Off on all the following:

- Fleeced Underwear Blankets Woolen Underwear
All Grades Heavy Sock Yarn
Child's Fleeced Underwear Child's Woolen Underwear
Children's Tams Boys' Knee Pants
Ladies' Outing Flannel Night Robes
Ladies' Woolen Hosiery Ladies' Fleeced Wrappers
Ladies' Fascinators
Ladies' Fleeced Waistings for Dressing Sacques
Ladies' Kid Mitts and Golf Gloves
Men's Duck Coats Men's Covert Coats
Men's Heavy Kersey Pants
Men's Light and Heavy Woolen Socks.
Men's Jersey Overshirts Men's Lined Gloves and Mittens

We have a few FUR COATS left, regular price \$20. You can have them for \$15.00. A Snap!

We have run through our Shoe Stock and sorted out all odds and ends, where had only one or two pair left of a kind, also all that had cartons broken, and have them piled on table marked less than HALF PRICE. Call and make selections quick! They will not last long.

10 PER CENT OFF on all our stock of both Light and Heavy Rubbers! This is a boni fide Sale. All goods marked in plain figures, and 1/4 off from that.

C. H. PRESCOTT & SONS, PHONE 41. TAWAS CITY, MICH.

Real Estate Transfers.

George F Stark to William H Boomer, n 1/2 s w 1/4 s 3 t 21 7 e.
L N Gagnier to Mores Mark s 1/2 lot 5 block 10 Oscoda.
Capitol B & L Assn. to John Connell lot 9 blk 23 Oscoda.
Anno Campbell to Charles Mayer lot 1 blk C Stockman's add to AuSable.
N C Harting to John Henry e 1/2 s w 1/4 s 21 t 21 6 east.
Joseph Senical to George Quance 1 3 b 3 L & G 2d add to Oscoda.
George Quance to F Onelett 1 3 b 3 L & G 2d add to Oscoda.
John Henry to Francis B DeWitt e 1/4 e 1/4 n e 1/4 s 28 t 21 6 e.
William Gartrell to G L Cornville w 22 ft 1 6 bk 14 Tawas City.
G L Cornville to Emil Buch w 23 ft 1 6 bk 14 Tawas City.
John Henry to Francis B DeWitt land in secs 28 and 21 t 21 6 e.
Jos Ruel to Wm Ruel w 1/2 w 1/2 n w 1/4 sec 11 t 21 6 e.
E W Head by sheriff to C W McPhail s e 1/4 s e 1/4 sec 32 t 21 7 e.
James LaBerge to Jessie Scarlett 1 4 bk 83 Trustees ad to East Tawas.
Ida W Dawson to Jas A Jackson power of attorney.
Davis Lumber Co to G A Prescott land in sec 28, 31, 33, t 21 7 e.
State of Mich to Frank Grenke s 1/2 s w 1/4 sec 32 t 23 8 e.
Wm J Melville to Frank Black n e 1/4 s w 1/4 sec 28 t 22 6 e.
Tawas Fish Co to Collie Johnson land in sec 18 t 22 9 e.
Estate of Benj Phillips will and probate letter Auditor General to Benj Hollips s w 1/4 n w 1/4 sec 6 t 21 6 e.
Mary A Hovenden to O D Phillip s w 1/4 n w 1/4 sec 6 t 21 6 e.
Margaret Phillip to O D Phillip s 1/2 n w 1/4 sec 6 t 21 6 e.
John Lanski to M E Friedman lots 13, 14, 15, 16 bk 59 Tawas City.
Sam Anker to Carson, Ealy & Co lots 1, 2, 3, 4 bk 83 and 1 8 bk 8 East Tawas.
Medora Harting to Chas Harris s e 1/4 n w 1/4 sec 34 t 23 7 e.
Frank Grenke to Newton Emanuell s 1/2 s w 1/4 sec 32 t 23 8 e.
Newton Emanuell to Fred S Emanuell s 1/2 s w 1/4 sec 32 t 23 8 e.
Auditor General to Frank Merchant land in sec 11 t 23 5 e.
Louisa D Sims to Collie Johnson n w 1/4 n e 1/4 sec 26 t 23 7 e.
Edw F Load to Geo F Armstrong lot 9 and 10 bk 7 Load, Gay & Co ad to Oscoda.
N C Harting to Mose E Friedman lands in Tawas City and East Tawas.
E J Wright trustee to Wm H Green n 1/2 n w 1/4 sec 32 t 23 8 e.
Chas & Marion Hedglen to Chas O Smith land sec 29 and 30 t 23 5 e.
Geo Charter to Jas Charters s e 1/4 s e 1/4 sec 11 t 22 5 e.
Lucy W Drexel trustee to Jas Charters e 1/2 s w 1/4 sec 11 t 22 5 e.
Barney M Long to Mary Long n w 1/4 s e 1/4 sec 21 t 22 6 e.
John Johnson to Nellie A Howell lot 4 & 5 bk 43 East Tawas.
Mary A White to Cora M Howell lot 9 & 10 bk 13 East Tawas.
Anthony Hanish to Ralph G Clute n e 1/4 n w 1/4 sec 10 t 23 7 e.
Auditor General to Ralph G Clute n 1/2 n w 1 4 sec 10 t 23 7 e.
State of Mich to Francis Palms e 1/2 n w 1 4 sec 5 t 22 5 e.
O D Phillip to Geo L Cornville s 1/2 n w 1/4 sec 6 t 21 6 e.
Geo L Cornville to Mary Adams s 1/2 n w 1/4 sec 6 t 21 6 e.
United States to Francis Palms w 1/2 n w 1/4 sec 5 t 21 5 e.
Geo P Smith to Wm H Boomer n 1/2 s w 1/4 sec 3 t 21 7 e.
Carl Frederickson to W H Carson lot 1 bk 70 Trustees ad to East Tawas.
Elizabeth Carroll to Jennie McColl lot 7 bk 4 Martin ad to Whittemore.
Aug Carlquist to Julius Benson 1-4 interest s e 1/4 s w 1/4 sec 37 t 21 7 e.
D & M Ry to John Waterbury land sec 3 t 21 6 e.
J W Chase to Belle Hess lot 10 bk 5 Whittemore.
Wm Naab to J W Chase lot 10 11 12 bh 19 Whittemore.
J W Chase to Emma E Osborn lot 10 11 12 bh 19 Whittemore.
State of Mich to A B Witherbee lands in Ioseo county.
State of Mich to J L Wood land in Ioseo county.
J Jerome to A H Willis n w 1 4 sec 5 t 21 5 e.
Mary A Fuller to Geo L Cornville power of attorney.

Valentines! ==

We have the Finest Line ever shown in the Tawasess!

Don't forget us when buying Meats and Groceries. We always have a complete stock of Fresh Goods and sell at prices that defy competition.

Thomas Galbraith.

Phone 90.

TAWAS CITY, MICHIGAN.

Considering The Price

Instead of the Quality, often Leads to Poor Bargains!

Our Prices are Right. Our Goods are Right.

Our three coat GRANITE WARE gives the Best of Satisfaction. It is the Best made.

F. H. RICHARDS & CO., EAST TAWAS, MICH.

UNCLE SAM FLOUR at BROWN'S MARKET and GROCERY, SOLE AGENT, TAWAS CITY.

WANTED: Several Hundred of Live Poultry. Also Choice Butter and Eggs.

Say, do you know that you can live better and cheaper if you trade at Brown's for meat? It's a Fact! Try it! He has Flour, Feed, Fresh Meat, Groceries, Baled Hay, Baled Straw and wood.

Tales of Two Cities.

All the News of the week from
Tawas City, East Tawas and Vicinity.

Bulk oysters at Brown's.
Tomorrow is St. Valentine's day.
Circuit court convenes next Monday.
Brown has a good stock and sells cheap.

Lent begins one week from next Wednesday.

G. L. Cornville was at Oscoda on business Tuesday.

Horace Stockman, of AuSable, was in the city Monday.

C. J. McDonald, of Oscoda, was in the city Wednesday.

Postmaster Price, of Whittemore, was in the city Tuesday.

Mrs. C. E. Wilcox, of Alpena, was in the city last Saturday.

Mrs. C. W. Luce, of East Tawas, was in Bay City Tuesday.

Beautiful and useful premiums free at Brown's for cash trade.

Call at Brown's, and get some of those elegant bulk oysters.

Sheet music 10, 15, 20 and 25 cents, at E. L. King's, East Tawas.

N. C. Harting attended circuit court at Harrisville this week.

Postmaster Raymond, of Edson, made us a pleasant call Monday.

Mrs. Molonzo, of Flint, is the guest of her sister, Mrs. G. S. Darling.

Trade your old sewing machine for a new Singer, with H. A. Granger.

Mrs. H. F. Barbour left Wednesday for a visit with relatives at Saginaw.

F. H. Tebo, of East Tawas, left yesterday for Merrill, Wis., on a business trip.

F. C. Merrill, of the Time-Press, has been appointed postmaster at Bay City.

Dr. F. C. Thompson was called to Standish on professional business last Saturday.

J. H. Walsh, of the Tawas Sugar Co., spent last Sunday with his family at Detroit.

Miss Mount, of Bay City, is the guest of her cousin, Miss Elsie Mount, of this city.

Farm and city property, for sale by Carson, Ealy & Co., at the bank, East Tawas.

Mary Buck has been appointed postmistress at Rose City, vice C. E. Buck, resigned.

When you want your dwelling or furniture insured, call up the Tawas Bay Insurance Agency.

Charles Curry, of East Tawas, has a contract of putting up 600 cords of ice for the D. & M. Ry. Co.

Wanted, at once, 1000 pounds of poultry—either dressed or alive. Enquire at W. W. Brown's.

Herbert Luce, of East Tawas, left last night for Winslow, Arizona, where he may reside in the future.

Mrs. G. A. Prescott and son George came up from Bay City Saturday. George returned Sunday evening.

Vine Grange is preparing to erect a hall in Tawas township. It is expected that work will begin next month.

The celebrated Hariox wagon, the best made. For sale by
WHITTEMORE & PHINNEY.

Daniel McEltheron, of East Tawas, leaves Monday for Liberty, Tex., where he has accepted a position as sawyer in a large mill.

Statistics published by the U. of M. News-Letter shows that 7,028 lawyers and 3,609 doctors have graduated from that institution since 1845.

The pastor of the M. E. church preaches his usual monthly sermon to the young people next Sunday evening, on the theme, "Friendship."

Frank Dease, of East Tawas, leaves Saturday for Port Huron where he will spend Sunday with his father. Monday he leaves for Belmont, Tex., where he goes as a "land looker" for the Sage Lumber Co., of Bay City.

"Fudge" Sheldon who has been in Pennsylvania, since last fall, arrived home Monday, suffering from a severe attack of rheumatism. Mrs. Sheldon came from Belding, Wednesday. She was accompanied by her sister, Mrs. A. L. Goodrich, nee Miss Anna Brennan.

C. V. Hicks, Alpena music store.

Mr. and Mrs. Henry Ostrander, of Saginaw, spent Sunday with their son, Elmer Sager, and wife, of East Tawas.

Capt. and Mrs. Palmer, of the Tawas Point light, returned last Friday, from an extended visit with relatives at Marlette.

The new Washington theatre, at Bay City, now being built to replace the one destroyed by fire, will be opened May 15.

Miss Corinne Benedict, came up from Saginaw last Friday afternoon, and visited with her mother until the return of the evening train.

Let us name you a rate on your Fire Insurance. We are representing the only reliable companies on the Shore. Tawas Bay Insurance Agency.

Last Thursday evening a most enjoyable dancing party was given at the Holland by Herbie Luce, in honor of his cousin, Miss O'Brien, of Grand Ledge.

The old and only reliable Fire Insurance Agency between Bay City and Alpena, is the Tawas Bay Insurance Agency of East Tawas. Office at the Bank.

John D. Rockefeller will spend \$7,000,000 in an endeavor to find a cure for consumption. Thus is more Standard oil poured on the troubled waters.

After reading the reports of "ground hog day" in last weeks exchanges, we would like to have some one tell us what kind of weather to expect for the next month.

Mrs. Chas. E. Phillips, of East Tawas, entertained 28 of her lady friends at cards, Tuesday afternoon. The prizes were won by Mrs. Small, and Miss Lalonde.

The Herald guarantees to advertisers the largest *boni fide* circulation that can be found in Iosco county. Money spent for advertising here will bring double returns.

Bayard Commandry, U. R. K. of P., of AuSable, will give its annual ball and card party at the K. of P. hall and opera house, East Tawas, Thursday evening, February 19.

Miss Florence Scarlett, of Grant, went to the hospital at Saginaw, Wednesday for medical treatment. Her many friends hope that she may receive permanent relief.

Wanted.—Girls to work in silk factory. Good wages, permanent employment and nice, clean work. Write us for full particulars.—Belding Bros. & Co., Belding, Mich.

Miss O'Brien, who has been a guest at the home of C. W. Luce the past week, left for Detroit, Monday, where she will make a short visit before returning to her home at Grand Ledge.

"The Church Evangel," Henry A. Sheldon, editor, is a neat little church paper, which made its appearance at East Tawas last week. It is published semi-monthly, and in the interest of the M. E. church.

Supple Brabon left Monday for a visit with relatives at East Jordan, Charlevoix, and other points. Mr. Brabon was a resident of that section 30 years ago and this is his first visit there since that time.

Presbyterian services next Sunday as usual. Morning sermon by pastor, subject, "The Revealed and Unrevealed in Character." Subject of evening sermon, "Education as a Life Force." The public is invited to these services.

M. E. Friedman is again making extensive improvements on the interior of his store, by extending the shelving on the east side nearly to the rear. He will add to the light by putting in windows above the shelving.

FOR SALE OR RENT.—The Maxwell farm, so-called, at Maxwell Station, on the D. & M. Ry., at a reasonable price. Good Beet Land. Now is the time to purchase. Inquire of Carson, Ealy & Co., Bankers, East Tawas, Mich.

The Sault Ste. Marie, (Ont.) Pioneer says: J. E. Kehoe, Oph. D., eye specialist at Rosenborough & Stribling's jewelry store, has had a good run of business since opening up a few months ago. Among his clientele are many United States visitors.

C. V. Hicks, Domestic machines.

Dan C. McKee Dead.

A rumor of the death of Dan. C. McKee, son of Mr. and Mrs. Alex. McKee, reached here Monday through a notice to the Herald from the postmaster at Cebu, Cebu Isle, Phillipine, that the paper addressed to him was uncalled for as the addressee was dead. Confirmation of the report was received yesterday afternoon when a letter was received stating that he died Dec. 27, of malaria fever. We will give full particulars next week.

Last year property with us if you wish to sell or lease.

CARSON, EALY & CO.
East Tawas.

And now comes a University of Michigan professor with the statement that John D. Rockefeller was justified in raising the price of oil recently. Perhaps the professor is laying his plans for tackling John for a bequest.

County Treasurer Stockman informs us that the total amount of delinquent taxes paid into the county treasury during the month of December was \$4,765.86. Of this amount \$3,386.07 was paid to the auditor general, and \$1,379.79 was paid into the county treasurer.

Sheriff Johnson announces the complete list of deputies as follows: under-sheriff, James Quinn, AuSable; deputies; H. M. Belknap, Whittemore; W. L. M. Blaklee, Oscoda; David Emerson, East Tawas; Thomas Bradley, Tawas township, and J. E. Chase, of Tawas City.

Palmer Philip, who has been employed as a lineman by the N. E. Telephone Co., for the past year, has been visiting his father W. J. Philip, of East Tawas. He has now gone to Harrisville, where he has a contract for wiring some building for the new electric light plant.

Charles Schill, who has been visiting his old home at Berlin, Ont., arrived home last Friday, accompanied by Mrs. Schill. He was united in marriage to Miss Josephine Henchberger, of that place, Feb. 2. Charles many friends extend to him and his bride a hearty welcome.

The calendar for the February term of circuit court, which convenes next Monday, contains five chancery, one civil and four criminal cases. The most important criminal case will be the second trial of Ernest Sholtz, on charge of murder. The jury is called to appear on the first day of the term.

Mrs. C. W. Luce entertained the Young Married People's Club, of East Tawas, Wednesday evening. Will Waterbury and Dr. Snow had to draw cuts for the men's booby prize, while Mrs. Tompson had no trouble in catching the ladies prize. The first prize for gentlemen went to Ed. Grant and that for the ladies' went to Mrs. E. Sager.

Last Saturday state commissioner of insurance Berry handed down his decision in the matter of the petition of the Great Camp of Michigan Knights of the Modern Maccabees, in which they sought to prevent the Supreme Tent Knights of the Maccabees from doing business in Michigan. The commissioner refused the petition, and it will be a survival of the fittest.

To labor-saving machinery may be ascribed most of the luxuries and many of the utilities of modern life. Labor has its power increased tenfold, and this is especially true in the world of agriculture. If labor saving machinery should be abolished and all production restricted to hand labor, universal distress, and even famine, would result in many portions of the world.—*American Farmer.*

F. J. Winter, representing A. C. Varney & Co., of Detroit, was in the city last Saturday, looking over the court house for the purpose of preparing plans and specifications for a new fire-proof vault, which the board of supervisors directed at their last meeting. The plan contemplated by the board was the building of two vaults to take the place of those now in use by the clerk and register of deeds. The vaults were to extend out of the present building. On investigation of Mr. Winter and members of the committee, this plan was found to be very expensive, costing considerable more than estimated. After a careful consideration it was decided to build one double vault, which will take the place of the two now in use and also the back end of the hall, the entire vault being within the present structure. This plan will be much cheaper and provide much more room. The plan and estimates will be presented at the next meeting of the board.

C. V. Hicks, Domestic machines.

The National Milling & Evaporating Co., last week received an order from Austin, Nichols & Co., wholesale grocers of New York city, for 2120 pounds of their potato chips, 300 pounds of evaporated onions, and 500 pounds of evaporated carrots. These are to be used by an expedition now being organized to search for the north pole. This is the third order the Company has received from this firm.

Wednesday evening Mrs. E. D. Benedict was given a most complete surprise when about 70 of her many friends of both cities took possession of her home, and proceeded to have a highly enjoyable social evening. It took Mrs. B. some time to recover her usual composure, but she finally succeeded in realizing "where she was at," and admitted that there was no doubt but what the "conspirators" had succeeded in their intentions.

On Friday evening of next week, Grant Heroes, No. 456. L. O. L., will dedicate their new hall, on the Hemlock, Grand Master E. R. Philips, of Bay City, and Col. E. H. Sellers, of Detroit, will assist in the services, and address the meeting. The organization is to be congratulated on the enterprising, hustling members which compose this lodge. They have within the past year erected a fine hall, which would be a credit to any organization in the county.

The farmers in Michigan are beginning to appreciate the value of beet pulp as food for stock. While the Michigan factories have heretofore experienced considerable difficulty in disposing of their pulp, the farmers are this year hauling it away in great quantities, and the probabilities are that with this years experience to guide them as to the feeding value of the pulp, the farmers of Michigan will be clamoring for this by-product in the future and ultimately relieve the factories of the formerly serious problem of disposing of the pulp.—*Beet Sugar Gazette*

Notice.

The copartnership heretofore existing between W. F. Whittemore and A. H. Phinney is hereby dissolved. The Tawas City bank will be continued by W. F. Whittemore & Co. as the Tawas City Bank of W. F. Whittemore & Co. The Turner bank will be continued by A. H. Phinney as the Turner Bank of A. H. Phinney & Co. W. F. WHITTEMORE.
A. H. PHINNEY.

Dated at Tawas City, Feb. 2, 1903.

Teachers.

The superintendent of public instruction has designated the third Thursday and Friday in May as the time for holding pupils' eighth grade examinations. Reading will be based on Hawthorn's "Great Stone Face." Further information will be given later.
J. A. CAMPBELL,
Commissioner.

Mysterious Circumstance.
One was pale and sallow and the other fresh and rosy. Whence the difference? She who is blushing with health uses Dr. King's New Life Pills to maintain it. By gently arousing the lazy organs they compel good digestion and head off constipation. Try them. Only 25c, at J. E. Dillon and Dr. Darling, Druggists.

The Strength
of the coffee you buy adds to its value in the cup.

Lion Coffee
comes to you fresh and of full strength, always in sealed, air-tight packages. Bulk coffees lose their strength, deteriorate in flavor, and also gather dirt.
Uniformity, freshness and full strength are insured to users of Lion Coffee.

Business Liners

Advertisements under this heading will be charged for at the rate of five cents per line for first insertion, and half rates for all subsequent insertions.

WANTED TO EXCHANGE.—A mare in foal, for a horse to drive. Want one between 3 and 8 years of age, but not particular to sex or color. Write and describe what you have. Address HENRY RICHARDS, AuSable, Mich.

LOST.—A black and tan bound, 10 years old. Person finding same, please notify me. John Schneider, McEvoy.

FOR SALE OR RENT.—Farm of 120 acres, about 70 acres improved, good house, two barns, flowing well, fine young orchard. School within 30 rods. Two and one-half miles from Tawas City. Inquire of
CHARLES HARRIS,
Tawas City, Mich.

M. E. FRIEDMAN'S

THE STORE THAT DOES AS IT ADVERTISES.

Dry Goods,

Shoes,

Clothing,

Furnishings.

HERE'S
HOW
WE
SIZE
IT
UP

THE Man That Hunts up the Best Store where he can get the best goods cheaper, at all times, than others give him at their so-called 25 per cent off sales, does so because he is particular.

ARE WE RIGHT?

Most people expect more of us in the way of

GOOD BARGAINS

than they do of other stores, because we claim to give them the best. "Just as good" is not enough, it must be better.

We keep on doing the best we know how in giving you the most for the least money, and in that way manage to keep

IN THE LEAD.

We guarantee everything we sell to be right, and our prices to be the Lowest.

M. E. FRIEDMAN.

Leader of Low Prices,

Tawas City,

Michigan.

If Your Eyes Are Not O. K.

Call and have Them Tested by Scientific Methods at the Optica. Department of

James E. Dillon,

Prescription Druggist and Optician.

East Tawas,

* * *

Michigan

CASH PRIZES IN GOLD FOR PUZZLED POETS

Everybody thinks he can write poetry. Editors don't usually encourage this idea, but the editor of THE PILGRIM is an exception. He offers spot cash prizes for the best solution of some poetical puzzles, examples of which are printed here. You will see that the last line of each stanza is missing. It is represented, however, by a picture. Turn the picture into a suitable line of poetry rhyming with the line it follows and you may win a prize. The missing lines are in THE PILGRIM offices. The contestants whose suggestions most nearly approach them will win.

THIS IS NOT THE WHOLE PUZZLE—ONLY TWO SAMPLE VERSES. A POSTAL CARD WILL BRING YOU THE FULL PUZZLE. THE TERMS OF THE COMPETITION AND THE LIST OF PRIZES. WRITE YOUR NAME AND ADDRESS PLAINLY ADDRESS—
PUZZLE EDITOR.

THE PILGRIM,
Battle Creek, Mich.



Each day, lest the charm of the thing might fade, Fair Beth took the part of his waiting maid. And the while Zach tossed on his sea-sick cot She brought him his innocuous steaks hot. They were "Jonathan made" and they bore a share.



To Cure a cold in One Day.

Take Laxative Bromo Quinine Tablets. All druggists refund the money if it fails to cure. E. W. Grove's signature on each box. 25c.

All ladies suffering from female troubles or other diseases peculiar to women, and wish to learn something to their advantage, address Box 177, Tawas City, Mich.



THE RICE HARVEST.

A Sketch of the New Rice Industry of Louisiana and Texas.

Flooding usually begins when the rice reaches a height varying between six and ten inches, and from this time on until the grain is in the milk and well formed, a period of about seventy days, the fields are kept flooded. About ten days before harvest the levees are cut and the fields are drained. The grain rapidly hardens and matures, and by the time it is ready to cut the field is sufficiently dry to permit the use of the reaper and binder. This machine is identical with that used in the grainfields elsewhere in the



STOOL OF RICE FROM A SINGLE SEED.

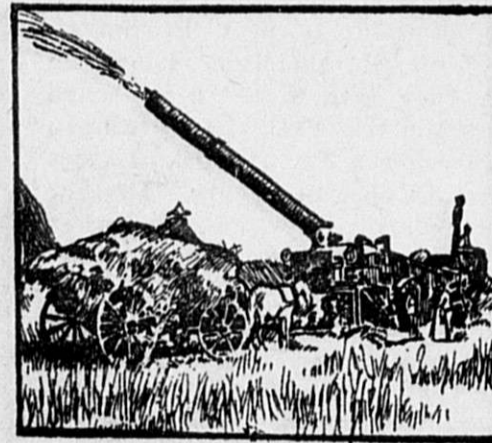
United States. The sheaves of rice are shocked in the field immediately after the binder.

When harvesting begins, the stalks and leaves of the rice are still green in the main, but the head is golden yellow on the terminal two-thirds. The green straw properly cured is fed to live stock. Harvesting begins in September and continues through October and part of November, often until the 1st of December, and thrashing the rice from the shock begins after it has been allowed to cure and dry for a period of two weeks at least. The machines used are the modern styles of wheat thrashers using steam power, revolving knives for cutting the binding twine and a blower to remove and stack the straw. The rough rice as it comes from the thrasher is put in large gunny sacks weighing when filled an average of 185 pounds each.

The rough rice which comes from the thrashing machine consists of the grain proper, which is protected by a closely fitting cuticle hard to remove and a hard, rough and brittle husk largely composed of silica, which is easily removed. The husk is first removed by revolving millstones, and the cuticle is removed either by a mortar and pounder or a machine called a huller.

The products of this huller are rice bran, some flour and clean rice, consisting of entire grains called "straight head rice" and grains broken into various sizes. This cleaned rice passes later through a polishing machine, which gives it a highly finished surface and pearly luster. The finished produce is then passed over screens and sorted into different grades, of which the unbroken or "straight head" rice forms the first grade and brewers' rice the last.

Bulletin No. 113 of the office of experiment stations illustrates the foregoing account with a stool of Hon-



THRASHING RICE.

duras rice as the same appears when ready for the reaper and binder, which shows the great productiveness of this cereal, there being twenty-six stalks and as many heads of rice, all from a single seed. The character of the root of the plant is also shown. These rice stalks stood about three and one-half feet high in the field.

The Belgian Hare Business.

We have had one side of the Belgian hare business; now we have another. It seems to be demonstrated that a farmer can profitably keep a few hares to supply meat for his own table, provided his family like this sort of meat. When it comes to selling the hares in the general market, the small breeder has a poor showing. Everybody seems to agree to that.—Rural New Yorker.

The Skimmilk Calf For Baby Beef.

Feeders find that the average skimmilk calf does not make profitable gains in the feed lot, and they will not buy him. Farmers find that the difference in price between an ordinary skimmilk calf and one that has run with the cow is frequently greater than the profits made from milking, and they drop dairy work.

The Geneva (N. Y.) agricultural experiment station finds that in forcing lettuce stable manure should be added to chemical fertilizer.

SUGAR BEET GROWING.

Montana a Natural Habitat of Roots. Good Results Reported.

Reporting upon the sugar beet situation in Montana, Dr. F. W. Traphagen, the chemist of the experiment station, expresses the confidence that "Montana conditions are favorable to the production of sugar beets of high sugar content and standard purity." Official conclusions are:

"It is clearly demonstrated that greater attention on the part of farmers to the care of the crop would be attended with marked improvements in the quality of the product.

"Several localities similar in location and climate to the Gallatin valley possess all the requirements of sites for the location of beet sugar factories.

"Sugar beets containing the required amount of sugar and of sufficient purity cannot be grown in presence of excess of alkali.

"Montana appears to be the natural habitat of root crops, and the difficulty is to keep down the growth and prevent the formation of too large roots."

Concerning three agricultural valleys of the state in which beets have been tested, Dr. Traphagen says: "Fuel is easily obtainable and cheap, water is pure and abundant, limestone of great purity is available and land sufficient to produce the crop and at the same time sustain a logical three years' rotation is at hand.

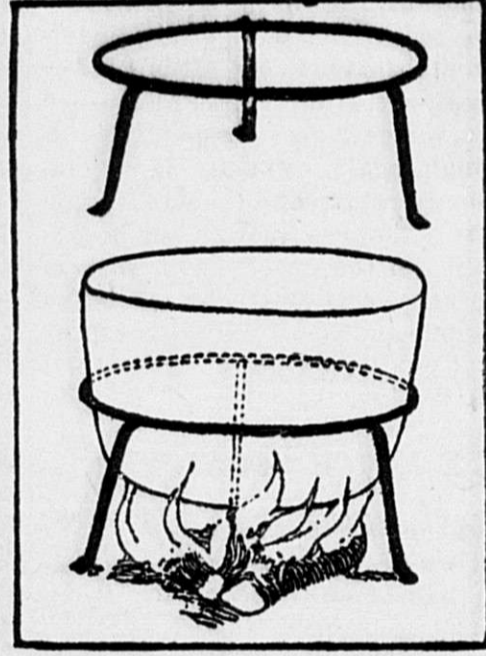
"It is the custom of the beet sugar companies to pay for the railroad haul, and where the beets are siled to await their call they pay 20 cents additional per ton. The method of siloing in use is very simple, consisting only in making a trench more or less deep and as wide as necessity demands and, after filling with beets, covering over with the loose soil previously removed.

"Until the product of the sugar beet fields is absorbed by beet sugar factories and while the experimental work necessary to prove the claims of various localities is going on the roots can be very profitably fed to stock."

An Iron Kettle Support.

An article very handy to have in the kitchen, a stand for the iron kettle used for heating water, is sketched by an Iowa Homestead correspondent:

Take a piece of wagon tire and bend it into a circle so that it will fit the



STAND FOR AN IRON KETTLE.

kettle about half way up the side; then rivet or weld the ends together and fasten legs to this by rivets or welding. The legs should be sunk into at the bottom so they won't sink out the ground. The height of the legs should be about twelve inches.

I prefer riveting, as it is so much easier done and can be done on the farm, while if the legs are welded on it will have to be made by a good blacksmith. With this device a person can heat water and render lard with the greatest convenience.

To the Practical Corn Breeder.

Up to the practical corn breeder I urge only three things: First, adopt the row system, plant twenty-five to fifty good seed ears, one ear to a row, then select your seed for the next year on the basis of performance record from about ten rows which produce the highest yield and the best ears. Second, breed corn for a purpose. If you wish to feed corn, breed and grow high protein corn. If you wish to grow corn for starch and glucose factories, breed and grow the corn the factory wants. Third, until we have more facts don't devote too much time in trying to produce kernels on the tip end of the cob or in trying to reduce the size of the cob or in trying to make the tip end of the ear as large as the butt or in pulling out suckers or in doing other things the ultimate effect of which is unknown. It is not yet known with any degree of certainty whether those things are beneficial, injurious or without effect on the production of the crop.—G. C. Hopkins, Illinois.

Scrambling For Water.

Denver Field and Farm tells that the farmers in Morgan and other counties down the Platte have discovered that late irrigation is good for winter wheat and alfalfa lands and insist on having water for such purpose to the detriment of reservoirs. Fall irrigation has proved such a grand success that it is not surprising to see men scrambling for all the water they can get at this time.

Thought and Action.

Alm high.
Don't let the pump freeze.
Face the future with courage.
Miss no chance to gather ice.
Send for the seed catalogues now.
The clean, warm stable is the place for profit.
A singletree makes a fine gambrel upon which to hang a hog.
A temporary shelter fixed for stormy days will be appreciated by the flock.
A lighted lantern under the lap robe will help you keep warm in zero weather.

PROFIT IN MULE RAISING.

Mules More Profitable For the Average Farmer Than Horses.

To begin with, mules can be raised cheaper than almost any other farm stock. Especially is this true when compared to horses. They can be given light work when two years old, and if properly handled will often at this age do as much work as a four-year-old horse colt. Of course, under no circumstances should the work be heavy, for the growth of the animal will be checked. If used for driving, for pulling a light cultivator, for hauling moderate loads, the animal is better off than if allowed to remain idle. With this kind of training they will go into market much earlier than horses and consequently the investor gets a quicker return on his money.

The mule stands heat much better than the horse. In the north this is not so important as in the south, but during harvesting time the man who has two or three good teams of mules is far ahead of his neighbor who has none. They can stand more abuse and greater hardships than horses, but respond to kind treatment by being very gentle and teachable. They are less liable to diseases and are not so apt to become blemished as colts. If a lot of them are in pasture during the season, fewer of them will show blemish than the same number of colts kept under like treatment. Another important item is the fact that mules instinctively avoid rough and dangerous places. They are much more careful to secure a good footing when on a rough road or crossing a dilapidated bridge.

For all kinds of farmwork they are especially steady and always ready. In planting corn or opening a furrow through a field it is very much easier to drive straight with a good mule team than with horses. In plowing corn they use much more judgment in keeping off the hills. Their hoofs are usually very tough, and it is seldom necessary to have a mule team shod on the ordinary farm unless it is to be used a great deal during winter weather, when roads are frozen or icy. Keep the hoofs carefully trained, and if the animal has never been shod there is seldom a call for shoes.

Mules can be placed on the market at any time after weaning. In mule raising regions they are considered salable property after ten months old. By pasturing and feeding until they are two and one-half and three years old they are ready for market. They eat a small amount of feed, and while they of course prefer good hay and grain, they will eat almost any kind of rough feed. In this way it is possible to raise them cheaper than horses.—American Agriculturist.

One Man Crosscut Saw.

Most crosscut saws are made with two handles and are intended to be used by two men, but it is frequently desirable on the farm to have the saw available for use by a single man. Logs to be sawed may be too large for

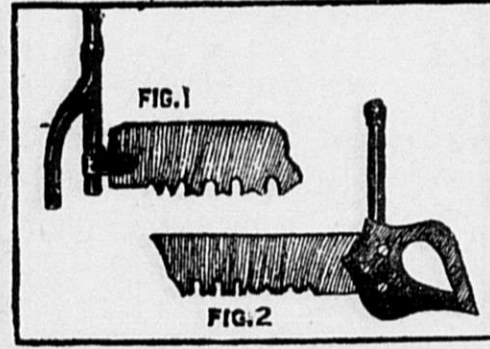


FIG. 1

FIG. 2

TWO HANDED HANDLE ON CROSSCUT SAW.

the bucksaw, and a sharp one man crosscut saw will saw almost if not fully as fast as a bucksaw and without the back breaking effect. In any event, whether a saw is to be used by one or two men, it is an advantage, says an Ohio Farmer writer, to have one end of it furnished with a two handed handle. Some small crosscuts are made with such a handle at one end (Fig. 1), but, if not, the ordinary handle can be removed from any broad bladed saw and a homemade handle inserted (Fig. 2). In use, the sawyer will, of course, hold the main stem with his left hand while with his right he will grasp the lower and forked part of the handle. He will be surprised at his increased command over the working of the implement.

The Dairy Calf.

In connection with the feeding of cows it would be well to remember that much can be done toward producing a good cow by feeding her properly when a calf. Calves which are being raised for cows should be well fed, but in such a way as to keep them growing without getting fat. Many a good cow has been spoiled by developing the beef tendencies when young. The principal point is to feed a highly nitrogenous ration and not overfeed. Sometimes calves on pastures will get very fat in appearance, but experience has shown that pasture fat in a calf or heifer will work off and not injure them permanently like the fat made by overfeeding in the stable with grain, particularly corn.

One Thing and Another.

Montana is proving herself well adapted for the production of her own sugar. A western sugar beet expert says we have nothing to learn from Germany about beet sugar making and that we have passed both Germany and France in our methods.

At the Tulare (Cal.) experiment station sorghum grows luxuriantly in soils having a large amount of alkali, the surface often having quite a black incrustation from the black alkali.

Damage to alfalfa by moles is reported from Kansas.

The one thing that seems most essential in the storing of seed corn is thorough ventilation.
Color in corn as influencing the yield is an interesting study.

THE PERSONALLY CONDUCTED, \$6.00 A BERTH, TOURIST PARTY

is what you should look into if going to

CALIFORNIA, OREGON OR WASHINGTON

—ON THE—

\$33.00 RATE FROM CHICAGO

In fact the guide accompanied or so called personally conducted party, is "the only way" to travel to get the full benefit of the overland trip at the reduced rate. The semi-weekly

JUDSON-ALTON EXCURSIONS

in particular fulfill all the requirements of this special service, namely: through cars, clean wholesome beds, good fast time, Rocky Mountain scenery, a select and intelligent company, and information enroute. Information not only on history and scenery, but also about land, investments, irrigation, etc. So often have our excursion managers gone back and forth over the route that they are among the best informed men on the subject of western property. Particularly they know everything about the railway trip, relieving their passengers of the care of baggage, train connections and the responsibilities of travel.

The Judson-Alton parties have back of them the guarantee of the Chicago & Alton, Missouri Pacific, Denver & Rio Grande and Rio Grande Western Railways, the Southern Pacific Company, the Oregon Short Line and Oregon Railway and Navigation Company.

If you want to know more about the Judson-Alton Excursions cut off the coupon in the right, fill out the blank spaces and mail it to Mr. Geo. H. Lennartz, Agent, 349 Marquette Building, Chicago, Ill.

To Cure a Cold in One Day

Cures Grip in Two Days.

Take Laxative Bromo Quinine Tablets. *E. H. Brown* on every box. 25c.

Nearly Forfeited His Life.

A runaway almost ending fatally, started a horrible ulcer on the leg of J. B. Ormer, Franklin Grove, Ill. For four years it defied all the doctors and all remedies. But Bucklen's Arnica Salve had no trouble to cure him. Equally good for Burns, Bruises, Skin Eruptions and Piles. 25c at J. E. Dillon and Dr. Darling's Drug Stores.

To County Teachers.

Examinations in reading for the year will be based upon the following selections:
March, 1903, "Vision of Sir Launfal"—Lowell.
June, 1903, "Sesame," "Sesame and Lillies"—Ruskin.
Examinations in Theory and Art will be based upon the Manuel and Course of Study and Tompkins' School Management.
Books of Reading Circle Course may be purchased of the Commissioner.
JOHN A. CAMPBELL, Comm'r.

A Card.

We, the undersigned, do hereby agree to refund the money on a 50-cent bottle of Greene's Warranted Syrup of Tar if it fails to cure your cough or cold. We also guarantee a 25 cent bottle to prove satisfactory or money refunded. G. S. DARLING, J. E. DILLON, H. A. GOODALE

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SHERIFF'S SALE.

Notice is hereby given, that by virtue of a writ of fieri facias issued out of the Circuit Court for the County of Iosco in favor of Charles R. Hawley and others, copartners, doing business as C.R. Hawley & Co., against the goods and chattels and real estate of Samuel Anker in said county, to me directed and delivered, I did on the 3rd day of January, A. D. 1903, levy upon and take all the right, title and interest of the said Samuel Anker in and to the following described real estate, that is to say: all that certain piece or parcel of land described as Lot One and the West half of Lot two, of Block Five, of the plat of East Tawas, row of record, Iosco County, Michigan, all of which I shall expose for sale, as one parcel, at public auction or vendue to the highest bidder, at the front door of the Court House in Tawas City, said County, that being the place of holding the Circuit Court for said county, on the 30th day of March, 1903, at nine o'clock in the forenoon of said day.
Dated this 6th day of February, A. D. 1903.
COLLIE JOHNSON, Sheriff.

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TAWAS CITY, MICHIGAN.

Detroit & Mackinaw Ry. Time Table.

TRAINS NORTH.			TIME TABLE NO. 52.			TRAINS SOUTH.		
Way Pt.	Night Ex.	Express Daily.	Jan. 25, 1903.	Detroit M. & Ex. D. ex. Su.	Detroit Daily Ex. Su.	Way Pt.	Night Ex.	Express Daily.
A. M.	P. M.	P. M.	Dep.	Arr.	A. M.	P. M.	A. M.	P. M.
8 00	10 40	1 10	Bay City	9 00	4 35			
8 55	11 12	1 34	Linwood Park	10 47	8 37	3 45		
9 45	11 32	1 52	Pine River	10 29	8 20	3 00		
10 45	11 53	2 12	Omer	10 12	8 03	2 12		
11 40	12 03	2 21	Twining	10 03	7 55	1 55		
12 10	12 15	2 31	Emery Junction	9 53	7 47	1 00		
12 45	12 18	2 35	Melvor	9 49	7 43	12 15		
1 40	12 33	2 48	Tawas City	9 36	7 30	12 15		
2 40	12 37	2 52	Ausable and Oscoda	9 32	7 27	11 50		
4 10	12 55	3 10	Lincoln Junction	9 15	7 10	11 10		
5 20	1 37	3 43	Harrisville	9 10	7 05	11 00		
6 08	4 47	3 51	Black River	8 43	6 19	10 00		
7 10	5 11	4 21	Alpena	8 32	6 08	9 25		
8 00	5 33	4 43		8 09	5 45	8 35		
	6 20	5 35		7 48	5 23	7 35		
				7 00	4 35			

Alpena Mail and Express—Daily except Sunday. Has Parlor Car Alpena to Bay City. Extra charge 25 cents. Night Express—Daily. Has Parlor Car Detroit to Bay City, and Pullman Sleeping Car Bay City to Alpena. Birth \$1.50. Detroit Mail and Express—Daily. Has Parlor Car Alpena to Bay City. Extra charge 25 cents. Detroit Express—Daily. Has Pullman Sleeping Car Alpena to Detroit. Birth \$2.00.
T. G. WINNETT, G. P. A., Bay City, Michigan.
H. A. CLOUGH, Agent, Tawas City, Mich.

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