

LOWELL'S DOLLAR WEEKLY JOURNAL

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LOWELL, MICHIGAN, WEDNESDAY APRIL 13, 1881.

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The Best of Everything at
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FRENCH KIDNEY PAD,
A Positive and permanent cure guaranteed in all cases of Gravel, Diabetes, Dropsy, Bright's disease of the Kidneys, Incontinence and Retention of Urine, Inflammation of the Kidneys, Catarrh of the Bladder, High Colored Urine, Pain in the Back, Side or Loins, Nervous weakness, and in fact all disorders of the Bladder and Urinary Organs, whether contracted by private disease or otherwise. This remedy has been used with success for nearly ten years in France, with the most wonderful curative effects. It cures by absorption; no nauseous internal medicines being required. We have hundreds of testimonials of cures by this Pad when all else had failed.
LADIES, if you are suffering from Female Weakness, Leucorrhoea, or diseases peculiar to females, or in fact any disease, ask your druggist for Prof. Guilmette's French Kidney Pad, and take no other. If he has not got it, send \$2.00 and you will receive the Pad by return mail. Address U. S. Branch FRENCH PAD CO., Toledo Ohio

Prof. Guilmette's French Liver Pad
Will positively cure Fever and Ague, Dumb Ague, Ague cake, Bilious fever, Jaundice, Dyspepsia, and all diseases of the liver, stomach and blood. The pad cures by absorption, and is permanent. Ask your druggist for the pad, and take no other. If he does not keep it, send \$1.50 to the FRENCH PAD CO., (U. S. Branch) TOLEDO, OHIO, and receive it by return mail. For sale by J. C. West, Lowell, Mich.

THE GREAT CALIFORNIA REMEDIES.
FRIZELLE & CO.,
EASTERN AGENTS,
DETROIT, MICH.

CAN'T BE KILLED.
Dr. House of Tecumseh—His exciting Contest with a Burglar.
Last Tuesday morning the citizens of Tecumseh were greatly surprised to hear that Dr. House had been seriously injured during the night by being stabbed by a ruffian who had forced an entrance into his house for the purpose of plunder.

IMPROVED EXCELSIOR KIDNEY PAD
Cure the Back Ache
And all diseases of the kidneys, bladder and urinary organs by wearing the Improved Excelsior Kidney Pad. It is a marvel of healing and relief. Simple, Sensible, Direct, Painless, Powerful.
It CURES where all else fails. A Revolution and Revolution in medicine. Description or direct application, as opposed to unsatisfactory internal medicines. Send for our treatise on Kidney troubles, sent free. Sold by druggists, or sent by mail, on receipt of price, \$2.00.

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This is the Original and Genuine Kidney Pad. Ask for it and take no other.

YOU CAN BE RELIEVED AND CURED
Don't despair until you have tried this Sensible, Easily Applied and RADICALLY EFFECTUAL Remedy. Sold by druggists, or sent by mail on receipt of Price \$2.00. The "Only" Lung Pad Co., Williams Block, Detroit Mich.

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Positively and permanently cures every form of Fever and Ague, Dumb Ague, Biliousness, Jaundice, Dyspepsia, Puffy, Torpid and Inactive Liver, Inflammation and all Derangements of the Liver, in fact all diseases of the Liver, Stomach and Blood. Worn without inconvenience; does away with all nauseous medicines. Highest testimonials from people of all classes, habits and avocations. Sworn affidavits by the hundred. Dr. Pierce's Liver Pad has cured hundreds of cases given up by physicians as incurable. There were 180,000 sold the past year. Nothing in the history of specific medicine has ever equaled it. Always healthy; nearly always cured. Cheap, speedy, effective. For sale at \$1.00 each by the leading druggists in every town in the United States and Canada. If your druggist do not keep Dr. Pierce's Pad, send one dollar in a registered letter to the Pierce Pad Co., Chicago, Ill. and receive one by return mail. Sold by Hunt & Hunter.

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DETROIT, MICH.

before, but they were not the guilty party. No efforts of the officers brought about any good results, and probably the villain will escape the avenging hand of the law, the same as the parties who maliciously assaulted the doctor a year ago last fall. To compensate for the doctor's extraordinary visitation of calamities, it seems he was naturally gifted with a superhuman constitution, which has carried him through more than an ordinary man could endure.

Progress and Prospects of Michigan.
The Lansing Republican has made a compilation of the facts and figures from the last census reports in regard to our state which will be found profitable as well as interesting reading. We give below such parts of the article as will be especially interesting and appropriate in view of the new redistricting of the state for congressional representatives and state senators. According to the compilation the total population of Michigan in 1861 was 748,945; in 1870 it was 1,184,659; and in 1880, 1,636,335. The gain from 1870 to 1880 was 452,376, or 38 1/2 per cent.

The rank of Michigan among the states or territories from her first organization as a territory was as follows: In 1810, she was 25th; in 1820, 36th; in 1830, 26th; 1840, 23d; 1850, 20th; 1860, 16th; 1870, 13th; and in 1880, 9th. During the last ten years she has passed Tennessee, Virginia, Iowa and Georgia, and is outranked only by Kentucky.

The total number of votes cast for governor in 1880 was 353,305; in 1870 it was 186,507; a gain of 166,808, or eighty-nine per cent. Much of this increase, of course, is due to 1870 being an "off year" in politics, with a light vote, while 1880 drew into the presidential contest almost every available man of twenty-one years and over, constituting an army larger than has ever been handled by any general of modern times, and thrice as large as took part in any engagement during the southern rebellion.

Nearly all the counties north of the fourth tier show an extraordinary increase. This is especially marked in the Saginaw valley and the counties lying on the shores of Lake Huron. To illustrate by the five counties of Bay, Saginaw, Tuscola, Sanilac and Huron: They had in 1870 a population of 38,479; in 1880, 88,111; a gain of 49,632, or 129 per cent.

These comparisons prove that our heavy increase in population has occurred in the tiers of counties bounded by Huron and Sanilac on the east, Muskegon, Oceana and Mason on the west—their aggregate increase reaching 108,397, or considerably more than one-third of the entire increased population of the state.

Some of the smaller counties show still larger gains, as Ogemaw about 1,500 per cent; Clare, 1,300; Muskegon, 1,200; Kalkaska, 700; Lake, Oscoda and Wexford, 600; Alcona, Emmet and Presque Isle, 500; Chippewa, 350; Alpena, Antrim, Charlevoix, Cheboygan and Delta, 300 per cent.

The only county showing a loss is Ontonagon, which has 2,565 in 1880 against 2,845 in 1870.

An interesting feature of the census is the rapid movement of the center of population from the south to the north. As previously stated in 1860, the two southern tiers of counties had 1,413 more than one half the population of the state. In 1860 the center of population on a line drawn east and west through the state was near the city of Mason. In 1880 the population south of the north line of the third tier, which comprises the counties bounded east by Macomb and west by Allegan, has only 809,393 inhabitants, against 831,942 north of that line. Including in this tier nine towns in Oakland and Macomb against four towns south of the line in St. Clair, so that the true figures would give even a little larger preponderance to the northern portion of the state.

In the matter of legislative apportionment, could it be fairly made without reference to county lines, it would give a majority of two votes in the house and two in the senate, north of the state capital building.

As Michigan will probably have eleven representatives in congress for the next decade, more than half of the population for these members will be north of the capital of the state.

The probable gain of population in the four southern tiers of counties for the next ten years will not exceed one-fourth of the gain of the whole state. Estimating the population of 1890 at two millions, over 1,100,000 of that population will be north of the north line of Ingham county. Michigan in the next ten years will probably pass Kentucky and Massachusetts in population, and be passed in turn by Texas, making her eighth in the rank of states instead of nine as now, with little probability of ever raising above that point.

The present position of Michigan and her future prospects may well awaken proud emotions in the heart of every patriotic citizen. In the grand galaxy of states she is the only one east of the Mississippi which gains two representatives in congress, according to the apportionment bill adopted by the last house.

Wm. Navin, in Jackson, Tuesday night was taking a revolver out of his breast pocket, when it was discharged, sending a ball into his chest. He is about 19 years of age.

News and Notes.

Five thousand tons of ice are to be shipped from Maine to India next summer.

Railroad depots in India are surrounded by gardens, in which flowers bloom all the year round.

Four new factories on the coast of Maine are preparing to box sardines for the American market.

The Elmira Free Press thinks that if there is no devil, the President should immediately appoint one.

The sober-sided New York Post expresses the deliberate opinion that a short person should not marry at all.

It is generally in Arkansas that a man who goes by the title of Colonel can carry out one-third more liquor than the man known as "Judge."

Two hundred and seventy-two wells were completed in the oil region near Titusville, Pa., during the month of March, a large increase over February.

A large Newport, Ky., watch factory has 40 Swiss families en route from Europe as they cannot get native help skilled enough to work the finest gold cases.

The Vallejo, Cal., Chronicle reports that the steam whaler "Mary and Helen," bought by the government to find the lost "Jeannette," is unfit for the Arctic voyage.

Jones: "I see Smith has taken to riding a bicycle. What on earth is he doing that for?" Robinson: "Oh, a very simple reason—to prevent Mrs. Smith from going with him."

This is for the private ear of clergymen. Lamont said: "Nothing can justify a long sermon. If it be a good one it need not be long, and if it be a bad one it ought not to be long."

The centre of population in this country is now said to be very near Cincinnati. In 1800 it was near Baltimore, but has moved steadily westward at a rate of 5 or 6 miles a year ever since.

The expenditures of the Bell Telephone Company last year were nearly \$2,000,000. There is only one city in the United States of 15,000 inhabitants or over that has not a telephone exchange.

Last year Chicago furnished ten divorce suits to every seventy-nine weddings, there being an average of two and one-eighth divorce suits per day instituted in that city throughout the year.

Jefferson Davis Bill of Connecticut has just completed his studies at Eastman College in Poughkeepsie. He has two brothers, named Leconpton Constitution Bill and Kansas Nebraska Bill.

Michigan Matters.

Wheat in Branch county is badly winter killed.

Three men have been fined at Cheboygan for killing deer out of season.

The Jackson glass ball club is going to glass ball at intervals all summer.

A Cruson's house at Eaton Rapids burned Wednesday night. Loss about \$600.

James Grant, near Manistique, was struck on the head by a falling limb and killed.

The wall of the Knights of Pythias at Kalamazoo, was dedicated Wednesday evening.

The old coal mine at Woodville, near Jackson, is to be pumped out and worked again.

Bronson has a veteran justice of the peace. He has balanced the official scales for 27 years.

Under date of April 3, Sheridan F. Hill was commissioned postmaster at Mancelona.

April 2, Levi Crissmon of Plainfield, Kent county, aged 27 was killed by a falling tree.

A sneak thief entered the house of John Perry in East Saginaw, and stole \$125 out of a trunk.

Joseph Rabit, of Gibraltar, Wayne Co. committed suicide by taking strychnine. He was 38 years old and insane.

Mrs. George Lane died very suddenly in Ionia. Her husband is a travelling salesman, but was home with her when she died.

Ell Casey, an aged gentleman, was thrown from a carriage at Galesburg, and both he and his horse were badly injured.

Theodore Bruno of Saginaw City has invented a stove machine which is said to be an improvement over any other machine in the trade.

THE JOURNAL is Booming.

Show it to your Neighbor.

TERMS OF SUBSCRIPTION... ADVERTISING RATES... JOB PRINTING...

Journal Jottings.

Local news snippets including mentions of the 'Agricultural World' and 'The Journal'.

Editorial.

Some more extra talk about an extra session of the Legislature.

Phoca, Ozona is said to be the best looking fish on the coast.

Senior Conkling was once again And will be if any other boy ever put up a henck-brook end with us.

Gen. L. W. Heath of Grand Rapids has been appointed special agent for the Post Office Department.

Moody and Stanley are coming back to Chicago soon to do their 'spring' work.

Fifty years ago Fred Douglas was driven out of Vergennes, Vt. and almost mobbed to death.

Isn't quite time yet to judge Senator Mahone? It is easy enough to weigh him for his stock.

Here is a man who can neither read nor write. His vote goes to the best of the best man in America.

There is no need of better medicine. What we want in Michigan is a muricide preventive.

President Garfield's attitude toward the south will not be hostile.

A disparity exists among the places where the pension office has been set up.

Legal Notices. STATE OF MICHIGAN. In the County of Kent.

STATE OF MICHIGAN. In the County of Kent. Notice is hereby given.

'Let There be Light' 'And there was Light.' BOOT AND SHOE STORE

THE NEW IRON BEAM GALE PLOW. Wind Mills, Thrashing Machines and Steam Engines.

GRAND OPENING! Our Spring Stock Has Arrived And Is Ready For Inspection.

F. W. Wurzburg, Grand Rapids, Mich. Open every evening with Electric Lights.

55,000 OF THE KIMBALL ORGAN. ONE WEEK MORE.

Cymbello Concert Organs. Wonderful power and beauty. They contain many and important improvements.

500 Reward. The Blackie brothers now occupy the brick building on Grand and Bowler.

Reliable Dentistry. L.D. WOOD, D.D.S. (Doctor of Dental Surgery)

STEKETEE'S Pin Worm Destroyer. PLASTERING HAIR.

LOWELL JOURNAL. A Live Paper in a Live Town. DETROIT, GRAND RAPIDS & MILWAUKEE HALL-ROAD

RUMOR LINE! The Boston Store IS OPEN FOR BUSINESS.

Home and Vicinity. Grand river is up again. The roads in the country are hard to travel.

Rock Bottom Prices! THE BROS. CURTISS & CHURCH. (ON THE BRIDGE) LOWELL, MICHIGAN

Give them a Call. GROCERIES! Friedrich Brothers! MUSIC STORE.

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Agricultural.

Portugal consumed nearly as much American wheat in 1880 as Germany.

Be careful to remove your sick animals from the healthy ones. Every keeper of stock should have a box or shed apart from the regular stable in which to keep them.

A couple of ounces of carbolic acid to three quarts of water, sprinkled in the poultry house through the fine nose of a small watering-pot, once in three or four weeks, will destroy lice and other parasites.

April, May and June are the months that bring the heaviest returns to those that raise lambs for market. While early lambs bring the highest price, late lambs, particularly in cold, backward seasons, often prove the most profitable, being less costly and troublesome to rear.

A correspondent of the Rural New-Yorker reports that in a trial in his county this winter it was decided that a man had no right to shoot a dog caught killing sheep, but that he might recover damages of the owner. But, he adds, it is often difficult to prove the ownership, and besides, about nine dogs out of every ten belong to persons who possess no property.

The oldest fruit-orchard in California, according to the Sacramento Weekly Mirror, is at San Juan, in San Benito County. The pear trees in it have grown to great size, having been planted about 1775, and still bear an abundance of fruit of excellent quality. In the same county are some almond trees that were planted about 55 years ago, and continue to yield plenty of nuts.

Farm wells are frequently found in which the water at certain seasons is roily or has a bad odor, which is frequently due to the roots of trees which permeate the soil and enter the well. Prof. A. J. Cook, of the Agricultural College, gives the following example of the effect of the roots of the white willow. "The well at the house in which I live is in hard clay. Four years ago I planted a limb of the white willow about ten feet from the well. I am such an admirer of this beautiful tree that I did this against the advice of my friend and colleague, Professor W. J. Beal. The willow grew finely and soon became very beautiful. A year ago, after each rain, the water in the well would become so muddy that we could hardly use it. Upon examination it was found that the trouble came from the willow, whose roots had tunneled the hard clay to a depth of twelve feet, and then pushed through the brick wall of the well, thus serving as a sieve to carry the surface water loaded with mud into the well after each rain storm. We removed the roots, cut the tree, but without a sore pang at its loss, and have had no more trouble with roily water. So here is a second reason for ornamenting about the well with other trees than the willow."

Fertilizing Orchards.

The idea of manuring an orchard is as old as orchards themselves, but only now and then the vast strain upon the soil of an orchard it thought of seriously. Usually the orchard is in grass, which causes a double demand upon the soil, and it is at the expense of the fruit. To prevent the rot in grapes, heavy fertilization is about the best known remedy, applying at least 20 loads of well-rotted manure to the acre; though if it is thick with straw it can be applied equally well in the spring.

A Good Corn Ground.

Under the above caption the American Agriculturist publishes the following: Indian corn is the great cereal crop of the northern United States, and it is important to know what are the conditions most favorable for its growth. The extensive experiments made under the direction of Professor Atwater teach us, already, some lessons as to the best conditions for the growth of the corn plant. It is evident that the plant must have an abundance of food, and that this food must be in the most acceptable form. We do not know to a certainty how much of any one element of food is the proper amount, and as yet we fail to discover the best forms for them all to be presented to the plant. But we do know some general principles, and should apply them as far as possible to the culture of the crop. It is known that corn has a semi-tropical nature—it loves the warm months—and therefore its season of growth must be limited. "About corn planting time" is when settled weather comes, and the soil begins to warm up with the heat of long days and high sun. With the short season before it the grain should be in the soil just as soon as it will grow vigorously. The good corn ground is then one that is warm early. This will depend somewhat upon the season, and very largely upon the location and the soil. Passing season and location as beyond control, the soil should be made as warm as it can be by thorough underdraining, and the best of tillage. While it is very important to have the soil deep, warm, moist and mellow, that is not all—it must be rich. The soil is not simply the place where the grains of corn are planted that they may grow—a mere inactive seed-bed—but the substance from which the young corn plants must derive a large part of their food, from the time they germinate until the corn is ripe in the ear. If this food is present and in an available form, there is good reason to hope for a fine crop. Such a soil is "a good corn ground." This definition does not include any previous crop; it does not say a turned soil is the ground for corn. In many systems of crop rotation it may follow best after grass, and do better there than any of the other crops in the rotation, but thousands of experiments show that corn follows with success, provided you have the essential elements of food present and the condition right for their being used at once.

SECRETARY WINDOM ON MONOPOLIES.

His Views as to Government Regulation of Them.

Hon. L. E. Chittenden, President of the National Anti-Monopoly League, in February last addressed an invitation to Senator Windom, now Secretary of the Treasury, to be present and take part in the proceedings of a meeting of the League to be held at the Cooper Institute, February 21st. Mr. Windom's duties prevented his attendance, but he sent a letter containing his views on the subjects which the League has organized to consider, from which we make some extracts. They will serve to show the position of the Secretary on questions which are daily becoming more important, and which must soon be settled in some way. The Secretary says: "The purpose of your League, as I understand it, is not to wage war upon corporations or individuals, but conceding to all their just rights, to demand full protection for the rights of the citizens against the abuses and aggressions of corporate power, and to insist upon the enforcement of those principles of law and natural right defined by the Supreme Court of the United States. In this effort you have my most hearty sympathy and co-operation. Your cause is just, but in such a contest you grapple with giants. Do not underestimate the power or skill of your antagonists. Wise and conservative counsels will alone secure success. You must be as prompt to concede rights as you are determined in demanding them. No agrarian or communistic spirit must find a place in your proceedings. The character of the men who compose your organization gives assurance against danger on this point. Constitution, natural rights, and the spirit of our institutions are on your side. Intrenched behind these, and fighting for the right, you cannot fail.

"Corporate power has done much to develop our country. For its good deeds I freely accord it full credit. As an instrument to execute the will and serve the interests of the public, it is of incalculable value; but as the imperious ruler of the people it is a most cruel and relentless tyrant. Kept within the limits of its proper restraint it is an invaluable servant of the public. Unrestrained by the forces of law and public opinion it will prove a most dangerous master. The individual citizen is impotent to contend with this gigantic and rapidly growing power. Governmental authority, State and National, alone is competent to restrain its aggressions and correct its abuses. I have long foreseen that the time would come when the people would be compelled to invoke the exercise of that authority for their protection. I repeat to-day, in substance, words uttered seven years ago, that "there are in this country four men who, in the matter of taxation, possess and frequently exercise powers which neither Congress nor any of our State Legislatures would dare to exert, powers which, if exercised in Great Britain, would shake the throne to its very foundation. These men may at any time, and for any reason satisfactory to themselves, by a stroke of the pen reduce the value of the property in the United States by hundreds of millions. They may at their own will and pleasure disarrange and embarrass business, depress one city or locality and build up another, enrich one individual and ruin his competitors, and, when complaint is made, coolly reply, 'What are you going to do about it?'

"The men who wield this stupendous corporate power have grown wiser with the passage of events. Hitherto they have been apparently content to absorb and control the great industrial and material interests of the country, by a monopoly of the channels and implements of transportation, but recently new and alarming conditions are presented. They know full well that if the people can freely communicate with each other, they will see the dangerous tendencies of this power, and organize to restrain it. Hence, in order to lay deep and sure foundations for the maintenance of their power, and to defeat the efforts of the people to curb it, they have now seized upon the channels of thought. Look at it a moment. One man, who controls more miles of railroad than any other in the world, and who is almost daily adding new lines to his colossal combination, now also controls the telegraphic system of the United States and Canada, and is reaching under the sea to grasp that of Europe.

"Not content with all this, and determined that no instrument of commercial and political power shall elude his grasp he is (as I learn) also the owner of three out of the seven newspapers which constitute the Associated Press, through the agency of which the news is distributed over the entire country. He may at any time secure the fourth paper, which will give him absolute control over the news which the people shall receive. When that takes place, what will be our condition? What chance will the people then have to resist the encroachment of corporate power? How shall they even communicate with each other on the subject? What opportunity will there be for a fair discussion of these questions? The daily news supplied to the myriad of newspapers must first pass under the supervision of one or two men who represent the Associated Press, and who are appointed by its owner. They will have full authority, and doubtless will be required to suppress, add to or color the information thus sent out, as may best serve the interest, the ambition, or the malice of the man to whom they owe their places.

"The channels of thought and the channels of commerce thus owned and controlled by one man, or a few men, what is to restrain corporate power, or to fix a limit to its exactions upon the people? What is then to hinder these men from depressing or inflating the value of all kinds of property to suit their caprice or avarice, and thereby gathering into their own coffers the wealth of the nation? Where is the limit to such a power as this? What shall be said of the spirit of a few people who will submit without a protest to be thus bound hand and foot? I have hinted at some of the dangers which menace our future. If it be to correct these evils and to avert these dangers your League has been organized, it will receive the benedictions of the people.

"The practical question is, 'What are you going to do about it?' To my mind the answer is easy. This organized gigantic corporate power can only be kept under proper restraint by the organized power of the people, expressed through their State and National Governments. That such governmental power exists and may properly be exercised, I have not a particle of doubt. It is plainly written in our constitutions, and has been unequivocally declared by the Supreme Court of the United States."

Get Your Sleep.

Nothing gives more mental and bodily vigor than sound rest when properly applied. Sleep is our great replenisher, and if we neglect to take it naturally in childhood, all the worse for us when we grow up. If we go to bed early, we ripen; if we sit up late, we decay; and sooner or later we contract a disease called insomnia, allowing it to be permanently fixed upon us, and then we decay even in youth. Late hours are shadows from the grave.

The Latest Case of Plagiarism.

A report on the state of religion in Nevada would be almost as brief as the famous chapter on snakes in Ireland. The following anecdote might, however, be inserted: "At the recent opening of the Nevada Legislature an Eastern minister was invited to perform the religious service. He accepted the call and closed the ceremony with the Lord's Prayer. When he had finished State Senator Doolan turned to Senator Hammond and remarked audibly: 'He stole that prayer, and I'll bet on it. I heard it almost word for word in Eureka at a funeral over ten years ago.'—(San Francisco Star.)

She Had Been to Europe.

A New York gentleman was presented to the wife of a western member of the House. She had been to Europe, and will never forget it. "Yes," said she to the New Yorker, "yes; we spent a day in the picture stores in Florence. I do go just crazy over pictures, for, you know, everybody over our way says 'I'm a splendid common sewer of art!'"

Indeed!

"Indeed!" said the astonished gentleman.

Oh, yes; why we picked up ever so much bricky-bracky things and emetics all over Europe."

Elevating the Heros.

A writer in Macmillan's Magazine says: The late Mr. Thackeray had a story, which he was wont to tell with great enjoyment, of the novelist whose first manuscript was sent back by the publisher's reader with a hint that it would be well if he would give every character a step or two in rank. The country squire was to be turned into a wealthy baronet; the knight into a mushroom peer, ennobled for his wealth; the earl was to become a duke, and the mysterious artist an illegitimate scion of royalty. The scheme was adopted; the novel succeeded, and its author, who has since largely contributed to the revenues of the trunkmaker and the butterman, never afterward introduced a character into his stories of less rank than a captain in the guards.

Cost of Raising Grain.

During the past season the Kansas State Agricultural College has kept an exact account of the cost of raising corn winter wheat, oats and millet. Corn, 22 1/2 acres, 47 bushels per acre, costing 14 cents per bushel. Wheat, 17 acres, 17 bushels per acre, costing 54 cents per bushel. Oats, 16 acres, yielding 30 bushels per acre, costing 23 cents per bushel. Millet, 11 acres, yielding two and nine hundredths tons per acre, costing \$2.13 per ton. The account includes the cost of seeds, planting, cultivating, harvesting, and marketing, the item of labor being charged at the average price. The amount of wheat per acre was very light, the weather in early spring having been exceedingly dry and very unfavorable to that grain. Twenty-five to thirty bushels to the acre, a fair average yield, instead of seventeen, would have reduced the cost of the wheat very materially.

Rolling Grain.

The Germantown Telegraph advises farmers of the necessity of rolling their fields of grain in the spring, saying: "Occasionally the winter and spring have been so favorable to these crops as not to render it necessary. But in three seasons out of four it is necessary and doubtless adds considerably to their productiveness. The thawings and freezeings of the ground, throwing or spewing out the roots and exposing them to the drying winds of February and March very seriously affect the grain. Passing a roller over as soon as the soil is fit to go upon, presses back the roots into their beds, and gives them a fair grip again upon the support of which the crop must depend. This must be apparent to everyone who will look at its operation. We have no doubt that rolling clover fields, which have been badly thrown up by the frost, would also have a most beneficial effect.

"When the season comes round when work is to be done, it is best to call attention to these things, or it will pass and the advantage be lost."

Andrew Downing's two children at Aroostook Junction, N. B., saturated a cat with kerosene oil and set her afire. The cat ran under the barn, which was burned, with 500 bushels of grain and a number of sheep, hogs, farming implements, etc.

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