Why Women Will Wed.

She rose at the early daybreak,
With a sick and aching head,
And she said—this cross little woman—
"I wonder why girls will wed?
They wouldn't, I am sure, if they reckoned
The things that a wife must bear;
The never-done work of a household,
The never-done mother care.

"Six dozen pieces to wash to-day,
And the children must go to school,
And every one knows on washing days
Baby is cross as a rule;
And Bridget is not to the work yet,
(Oh, dear, how my head does ache!)
Yet, I shall have the dinner to cook,
And all the beds to make."

But as soon as the breakfast was ready,
Father came in from the yard;
He kissed the sick little mother,
"Was sure that her work was hard,"
He said to the noisy boys: "Be still!
Your mother's not well to-day;"
And when he bid her "good-bye,"
He "could kiss the pain away."

And the coffee or kiss—which was it?
Healed like a magical charm!
The spirit of diligent gladness
Was everywhere on the farm.
The father worked hard at the ploughing,
The mother forgot her pain,
Bridget did well with her washing,
There wasn't a drop of rain.

The baking and cleaning was over
When the boys came home from school;
Baby forgot it was washing day
And pleasantly broke his rule;
And at night the house was clean and bright—
There was not a thing amiss,
"'Tis only a wife," the father thought,
"Would do as much for a kiss."

And the wife, sitting down in the fire-light,
The baby asleep at her side,
Her husband chatting, and watching her
With a husband's loving pride,
Thought much of her full and pleasant home,
Of her children asleep in the bed,
And said with a sweet contented laugh,
"No wonder that girls will wed!"

FARM AND GARDEN.

Facts Regarding the Crops of Growing Grain.

WHAT TO DO WITH THE WHEAT MIDGE.

(A Practical Agriculturist's Weekly Budget.)

When and How to Harvest Wheat.

It is the experience of the best wheat growers in our own and other countries that a superior quality of grain is obtained by harvesting the crop when the berry is in the soft or "doughy" state; that is when the grain may be readily crushed between the thumb and finger. It is claimed that more bushels per acre, and a greater amount of flour of a better quality per bushel, are thus obtained. Starch and gluten are the most valuable constituents of wheat, and the quality of these is diminished by over ripening, while the per cent. of woody fibre is increased. Every farmer can readily make a practical test of this question by cutting a part of his wheat earlier than the rest, threshing, weighing and grinding the grain separately. The method of harvesting the grain has much to do with its quality. One of the greatest sources of loss arises from the careless and hurried manner of shocking the bundles. If the shock becomes thoroughly wet, as it is sure to be in "catching" weather, if not properly made and protected, the grain begins to grow, and only an inferior bread can be made from it. There are several methods of arranging bundles in the shock; they may be set in pairs, forming a row of ten or twenty, or in round shocks. The long stocks expose a broad surface to the winds, and may be blown down, when the well-set round shock would stand the storm. The latter form also more readily admits of "capping." A secure small shock may be made of three pairs of bundles set closely and firmly, with two more bundles upon each side of the double row. The heads of the bundles are brought up together and a capsheaf placed over all. This cap is an ordinary bundle, with the band placed six or eight inches from the but, and the top bent out into the shape of a funnel. A larger round stock consists of four pairs of bundles, with three sheaves on each side, making fourteen, upon which two capsheaves are placed, each made as above described, with one side of the funnel left open where the two sheaves join on the shocks. A boy may aid in bringing the sheaves into piles, but it is no economy to employ him to shock them. It is a common practice to cut and bind until nightfall, and afterwards set up the sheaves in the quickest way possible. Of all harvest work, the shocking of grain should be done with the greatest care; otherwise a hard storm may convert the poorly made shocks into piles of decaying straw, and growing and nearly useless grain.

Measuring Standing Grain.

An officer in the English navy has constructed a table for estimating, with all needful accuracy, the amount of wheat on an acre of land before it is harvested. The estimate can be made as soon as the grain is ripe. Make a wood or iron frame one yard square, carefully let it down over the standing grain, and then shell and weigh all the grain on the straws belonging inside that frame. If a circular "crop form," as he calls it, is more convenient, make it six feet nine and a quarter inches in diameter, of half inch iron. From his elaborate table, as published in the *Dublin Farmer's Gazette*, we extract the following:

2	ozs.	per sq.	yard equals	10.08	bushels	per acre.
2½	"	"	"	12.60	"	"
2¾	"	"	"	13 86	"	"
3	"	"	"	15.12	"	"
3½	"	"	"	17 65	"	"
4	"	"	"	20 17	"	"
5	"	"	"	25.21	"	"
5¾	"	"	"	29 00	"	"
6	"	"	"	30.25	"	"
7	"	"	"	35.29	"	"
8	"	"	"	40 33	"	"

These estimates are on the basis of 60 lbs. per bushel. The 2½ ounces per square yard is about the average yield of wheat per acre in America; the 5¾ ounces per square yard is the average in Great Britain.

How to Treat the Wheat Midge.

The presence of the wheat midge at this time of the year is made known by large numbers flying in at the windows at night, covering the lamps, the papers, etc., on tables. One practical remedy that has been recommended is to burn all the screenings of affected wheat—all the refuse of the fanning mill, the sweepings of the barn-floor, or any place where the grain has been stacked, and where the insects would naturally be shaken out. Another remedy is, that in the fall the infested wheat-fields should be very deeply ploughed, with the object of burying any insects that might remain, as far below the surface as possible. The advantage resulting from this mode is, that in the following year they would not be influenced by the warmth so early, as otherwise their development would be retarded, and in all probability their appearance would be too late to be followed by any great injury. By these several methods they would in fact be starved out. Besides these remedies another has been proposed, viz: that spring wheat should be sown late and fall wheat as early as possible; the object being that the former should be matured too late, and the latter too soon, for the attack of the midge in the month of June.

Other Rural Jottings.

Let the hens run in the orchard. They will do much towards keeping out the canker worm.

Ventilation in the dairy should be done at night or early in the morning, when the air is the coolest.

The rule to mow the lawn once a week should not be followed blindly. In a dry time, when grass grows but little, mowing should be suspended. Be governed by the condition of the grass.

In some parts of England bees are never sold for money. They are exchanged for fruit, grain, vegetables, and animals, but their owners believe that "bad luck" attends persons who sell their bees for money.

In several countries in Asia and Africa, in which cows and goats are kept and in which butter and cheese are made, no milk is drunk and none is used in tea and coffee or for any cooking purposes.

An old farmer has made his granary distasteful to rats by daubing all the angles on the outside of the building with hot pine tar for the width of three or four inches, and also any seam or crack where a rat or mouse can stand to gnaw.

Many fuchsias and cactuses bloom only in summer; the best place for these is on the verandah. Hanging baskets are best watered by plunging them in a pail or tub of water, until the earth is well soaked through. Boxes upon the outside of the windows should not be allowed to get dry.

Josiah Hoopes, of Eastern Pennsylvania, says that experiments with many leading fertilizers have established the fact that nothing can compete with the best animal manure for producing vigorous growth in young trees and shrubs. Applications of wood ashes, ground bone, phosphates, etc., answer an excellent purpose in connection with stable manure, but alone they are less successful.

The use of blood as a food for cattle has, it is stated, been the subject of experiment in Denmark by a chemist, who, as a result, has now invented and patented a new kind of cake, in which blood forms one of the chief ingredients. This new food is stated to be exceedingly nutritious and wholesome, and is eaten with avidity by all sorts of animals, and even by cows and horses, which have naturally a strong dislike to the smell of blood.

What is known as the kerosene emulsion is one of the cheapest and most easily-applied insecticides that can be used. It is made by adding one quart of kerosene to five quarts of skim milk, in a close vessel, and shaking till the two unite, after which it can be diluted with water to five or six times its bulk, and applied to vegetation with a sprinkler or force-pump sprayer. It is effectual against almost the entire class of insects which feed upon vegetation.

A writer in an eastern paper says that a rosebush may be layered with little trouble, and then tells how to do it. Make a narrow trench, three or four inches deep, where a good, well-grown shoot can be bent into it. After blooming, in July, cut a slit in the shoot, selected at the point where it will touch the soil, press some soil into the cut, bend the cane down to the bottom of the trench and fasten it there with some pegs and cover it well with soil. By fall it will be a rooted plant, and can be cut away and transplanted.

MOB LAW IN DAKOTA.

Extraordinary and Brutal Slaughter of an Inoffending German Settler.

The Chicago *Inter-Ocean* publishes a full account of an instance of lynch law which occurred recently near the town of Mitchell, Dakota, which was exceptionally brutal—and, as it proved, gratuitous. A man named John Smith had disappeared from the town, and in default of other occasion for excitement the neighborhood chose to assume that he had been murdered and that one Michael Bechtel, an inoffensive German, was the assassin. To establish the accuracy of this impression, a number of persons began by accusing him of perjury on a trumped-up charge, and had him put under bonds. Then they attacked him at his house one dark night with a bayoneted gun, but without seriously injuring him. And then he suddenly vanished. Three weeks later a human hand, pointing to heaven, was seen by some boys fishing projecting above the surface of the "Jim River," and examination brought to light the body of Bechtel, who had not only been assassinated, but mutilated awfully and brutally, having evidently been tortured until life was nearly extinct and then dragged to the river, a distance of six miles from his own house, where he had been seized while in bed. Although the brother of the murdered man fully identified his remains, the coroner's jury of Harrison county refused to find as to his identity, and the murderers walk the streets of Mitchell, Dakota, to-day unharmed, though they are generally known. And now it is learned that the man Smith, who had been murdered, as it is alleged, by Bechtel, is alive and well in Minnesota. The strong arm of the law is apparently badly needed in Dakota.

"The Teeth of the Future."

The London *Lancet* has a long article on the above subject, expressed in technical language, which the *Scientific American* sums up in a few simple words as follows: The inference is, the teeth are being gradually evolved into brain matter, and as man increases in intellect his masticators become unnecessary. The future man will have a large brain, but no natural teeth. He will have to depend on the mechanical dentist.

John Partelo, of Stonington, Conn., 85 years of age and deaf for the past forty years, was astonished one morning recently on awakening to find his hearing completely restored.

A WONDERFUL OPERATION.

The Skin of a Suicide Successfully Transferred to the Arm of a Boy.

Dr. Gerdner, a surgeon attached to the staff of Bellevue Hospital, recently performed, successfully, an operation whereby he removed a large piece of skin from the body of a suicide and transplanted it upon the arm of a patient whose flesh had been denuded of its covering. The operation conflicts with the prevalent theories which maintain that the fluids of the tissues become poisonous after death, and when placed in contact with the fluids of the living body produce pyæmia, or blood poisoning, which is generally fatal.

The causes that led to the operation are as wonderful as the successful issue itself. Charles Johnson, a little boy, during the summer of 1883 was struck by lightning, the electric current passed through his body, tearing off the clothing. The boy, who was sitting by an open window, was thrown to the floor, where he remained unconscious for several hours. He was subsequently removed to the hospital, where it was found that the greatest injury was done to the brain. Contrary to all expectations the lad recovered and regained the full possession of his faculties. It was noticed, however, upon his admission that the skin on his left shoulder and arm to the elbow had a peculiar dark purple hue suggestive of gangrene. The application of stimulating lotions failed to restore the activity of the blood vessels. Gradually the parts died and dropped off, leaving the muscles exposed, with ragged edges that bled under the slightest provocation.

Dr. Gerdner, under whose attention the sufferer came, resolved to try the experiment of transplanting a large piece of skin at one time. As living prisoners were not very willing to part with that useful part of their anatomy Dr. Gerdner was obliged to look about for some other means. It is a well known fact that the skin is one of the tissues of the body that will not reproduce if once its functions are destroyed. To avoid the evil results of a pressing cicatrix the doctor hit upon the idea of using the skin of some body as soon after death as possible. An opportunity presented itself a few days after, when the body of a young German suicide was brought into the Morgue about three hours after life was extinct and while still warm. Dr. Gerdner regarded this as the most favorable time for his operation, and he prepared his patient for the experiment. A few clever strokes from the scalpel blocked out a piece of skin slightly larger than the area to be covered on the boy's arm, to allow for the shrinkage of the integument, which is very elastic, and in a few minutes more the piece was dissected off clear down to its muscular attachments.

The boy's arm was cleaned of the scars and excoriations and the piece, about a foot square, cut up into small sections about one-quarter of an inch square, was placed upon the arm. The work occupied about two hours, at the end of which the arm was completely covered with the new skin, ranged like tiles upon a hall floor. Bandages were applied and stimulating lotions spread over it. The little vessels from the muscles penetrated the new tissue and set up a healthy circulation, and the new skin took upon itself all the functions of the original integument. Two of the little pieces refused to attach themselves and died, sloughing away without doing damage to the surrounding parts. Nerves appeared and sensation in the new covering became almost perfect about month afterwards.

The operation, in the face of an article which lately appeared in a German medical paper, which described a similar case, proves that the work of the American surgeon antedated the German operation.—*N. Y. World.*

Latest From Ireland.

The total amount received for dog license duty in Ireland in 1883 was £42,507.

By the will of Lord Mountcashell his whole property passed to his daughter, Lady Jane Moore.

An investigation has just been held in Castlebar into the alleged overcrowding of the Protestant burial place there.

Patrick Staunton, of Kiltormer, committed suicide in Galway jail recently by hanging himself from a gas-pipe.

Mr. Joshua Clarke, Q. C., addressing the grand jury at Maryborough on June 10th, said he was happy to state that there were no Crown cases to go before them.

Owing to a great falling-off in the emigration of Irish girls from Queenstown Miss O'Brien, the well-known philanthropist, has closed her "Home" at Queenstown.

The command of the Royal Dublin Fusiliers, which has just fallen vacant by the retirement of Colonel Duncan, will be conferred on Colonel W. Cleland, who was mentioned in despatches for his services as Chief of Police at Alexandria during the Egyptian war of 1882.

Canned Goods Vindicated.

Official investigation, by analysis, of the principal varieties of canned goods, by the New York Board of Health, shows that most of the cases of reported poisoning from their use are wholly unfounded or highly exaggerated. The committee charged with the examination go on to say: "It is estimated that upwards of 500,000,000 tins of canned goods are annually packed in this country, and being in most cases put up while fresh at the source of supply, we believe that canned goods as a rule are fresher, more wholesome and palatable than many so-called fresh articles which are exposed for sale during considerable periods of time in the city markets. The canning industry has furnished a much needed supply of anti-scorbutic food during the winter season, and materially improved the diet of all classes in the community, and while there may be cases where illness had been caused by the consumption, through ignorance or carelessness on the part of consumers, of spoiled or improperly packed canned goods, we believe that when the amount consumed is considered, more sickness is occasioned by the consumption of a similar amount of food not canned than there is of that which is canned."

The Governor-General will attend the opening proceedings in Montreal in connection with the forthcoming meeting of the British Association for the Advancement of Science.

JOSHUA AND THE SUN.

Modern Critical Explanation of the Apparent Miracle at Beth-Horon.

(From Notes and Queries.)

As this has again become a subject of some discussion, perhaps it may interest your readers to remind them that the first person to suggest the interpretation of an extraordinary refraction causing the sun and moon apparently to remain above the horizon longer than usual was Spinoza, in the second chapter of his "Tractatus Theologico-Politicus." Spinoza, whose object was to dispense with the necessity for a miracle, confuses the refraction of the rays of light by the atmosphere with their dispersion or scattering, and assumes that the appearance was strictly similar to such prolongations of daylight as we have witnessed in the recent gorgeous sunsets. Some late writers (*e.g.*, the late Rev. T. Milner, in his "Astronomy and Scripture") have supposed that there really was an abnormal refraction which kept the sun (supposed to be near its setting) apparently above the horizon for some time longer than usual.

A consideration, however, of the position of the site of the battle and its vicinity shows that any idea of this kind is untenable as well as unnecessary. Beth horon is to the northwest of Gibeon, so that the sun must have been in the southeast, and the time of day early morning. It was the prolongation of darkness, not of daylight, that was desired, and this is evident from all the circumstances mentioned in the narrative. The Hebrew word translated "Stand thou still," means literally "Be thou silent," and the object of Joshua's prayer was that the sun might not shine out over Gibeon, where it was just about to rise, or the moon, where it had last been seen nearly setting in the West, over the Valley of Ajalon, but that the gathering tempest might so overcloud the heavens as to obscure the landscape and give advantage to the attacking force of Israelites. This has been dwelt upon by the Rev. A. Smythe Palmer in the current number of the "Church Quarterly Review;" but the Rev. T. Pelham Dale (who had himself written an article taking the same view in the *Christian Advocate* for 1871) points out in the number of the *Church Times* for the 8th instant that it seems to have been first noticed by the late Henry F. A. Pratt, M. D., in his "Genealogy of Creation," published in 1861. Dr. Pratt there says (p. 206):

"It has been said that Joshua's plan was a night attack, and that he marched all night to accomplish it, and here is gathered the first clue towards discovering, through what was required, what must have actually taken place, for having marched all night he would necessarily not reach Gibeon until daybreak, or so close upon the dawn as to make it only too probable that his plan would fail through the absence of the darkness necessary to its success."

The words, then, of prayer afterwards incorporated with many other pieces into the poetical book of Jasher were:

Let the sun be silent over Gibeon,
And the moon in the valley of Ajalon!

the word silent when applied to the sun meaning "not to shine." And the end of verse thirteen is literally rendered by Dr. Pratt, "The sun remained in the clouds of the heavens, and shone not on arising as (on) an ordinary day." The dark tempest was followed, as we all know, by a tremendous hail-storm, which completed the destruction of the routed Amorites.

From England.

Distant shores comes additional testimony as to the wonderful merit of the only sure pop corn cure—Putnam's Painless Corn Extractor. "Office of the Chemist and Druggist 42 Cannon St., London, Eng. A friend travelling in the States and Canada used Putnam's Corn Extractor, and within a few days the corns vanished and I now ask you to send me a few bottles. S. Brett." After refering the letter to our English Agent, we received intimation that Mr. Brett had ordered three dozen for distribution among his friends. See that you get the genuine Putnam's Corn Extractor. Beware of imitations and substitutes.

President Arthur has vetoed the Fitz John Porter Bill, and the House has passed it over the veto.

Have You Thought About It?

Pain is one of the sure things of life, and it becomes then a most important question to have at hand the quickest and most efficient remedy. Polson's Nerviline cannot fail to cure cramps, toothache, neuralgia, headache and all pain, internal or external. Nerviline is the most perfect combination ever offered to the public for the relief of pain. It will not cost you much to try it, for you can buy at any drug store for 10 cents a trial bottle, which will convince you of its mighty pain-relieving power.

In Japan every newspaper employs a man whose sole occupation is to go to prison whenever a court orders that punishment for the editor.

—Lydia E. Pinkham's Vegetable Compound is to be had at the nearest drug store for a dollar. It is not claimed that this remedy will cure every disease under the sun, but that it does all that it claims to do, thousands of good women know and declare.

A New York photographer is quoted as saying: "After twenty-five years' experience under the skylight, and after photographing over a hundred and forty-seven thousand people, I have become convinced that in nineteen cases out of twenty the left side of the face gives the most characteristic likeness, while to the same degree the right side is the most symmetrical."

Minnie Daura, 9 years old, when on the witness-stand in the Gazley case, at Waco, Tex., in answer to the question: "Do you know what will happen to you if you do not tell the truth?" replied, "Yes; I will go to the place no person wants to go to, and perhaps to the penitentiary."

Mr. A. Van Wagoner, an American, and a protege of the late Judah P. Benjamin, succeeds to the rooms and possibly to part of the practice of the great barrister, but at present Mr. Charles Russell leads the London bar with an income of $75,000 from his practice.

TWENTY LIVES LOST.

Many More Saved Through an Engineer's Presence of Mind.

The breaking of the railway bridge at Moberly, in Missouri, has caused the loss of at least 20 lives. The bodies were fearfully mutilated. The portion of the bridge down represents the centre span, about 150 feet long. The structure is what is called false work. It was 40 feet from the water to the track. The cause of the accident is not fully established. The engineer was backing the train in on the bridge and was checking his speed to cross safely. The whole train was brought almost to a stop in the centre of the structure. When extra steam was put on the frail bridge began to totter, and soon sank beneath the ponderous weight. The engineer saw that nothing could be done to prevent the disaster, and began sounding his whistle, which was continued until the engine struck the water. But for his alarm not a single occupant of the eight cars would have been saved.

LYDIA E. PINKHAM'S
VEGETABLE COMPOUND
IS A POSITIVE CURE

For all of those Painful Complaints and Weaknesses so common to our best FEMALE POPULATION.

It will cure entirely the worst form of Female Complaints, all Ovarian troubles, Inflammation and Ulceration, Falling and Displacements, and the consequent Spinal Weakness, and is particularly adapted to the Change of Life.

It will dissolve and expel Tumors from the Uterus in an early stage of development. The tendency to Cancerous Humors there is checked very speedily by its use.

It removes Faintness, Flatulency, destroys all craving for stimulants, and relieves Weakness of the Stomach. It cures Bloating, Headache, Nervous Prostration, General Debility, Depression and Indigestion.

That feeling of Bearing Down, causing Pain, Weight and Backache, is always permanently cured by its use.

It will at all times and under all circumstances act in harmony with the laws that govern the female system.

Its purpose is SOLELY for the legitimate healing of disease and the relief of pain, and that it does ALL it claims to do, thousands of ladies can gladly testify.

For the cure of Kidney Complaints in either sex this remedy is unsurpassed.

Lydia E. Pinkham's Vegetable Compound is prepared at Lynn, Mass. Price $1. Six bottles for $5. *Sold by all druggists.* Sent by mail, postage paid, in form of Pills or Lozenges on receipt of price as above. Mrs. Pinkham's "Guide to Health" will be mailed free to any Lady sending stamp. Letters confidentially answered.

No family should be without LYDIA E. PINKHAM'S LIVER PILLS. They cure Constipation, Biliousness and Torpidity of the Liver. 25 cents per box.

D. C. N. L. 29 '84.

BAXTER'S MANDRAKE BITTERS

THE ONLY VEGETABLE CURE FOR DYSPEPSIA,
Loss of Appetite,
Indigestion, Sour Stomach,
Habitual Costiveness,
Sick Headache and Biliousness.
Price, 25. per bottle. Sold by all Druggists.

YOUNG MEN!—READ THIS.

The Voltaic Belt Co., of Marshall, Mich., offer to send their celebrated Electro-Voltaic Belt and other Electric Appliances on trial for thirty days, to men (young or old) afflicted with nervous debility, loss of vitality and manhood, and all kindred troubles. Also for rheumatism, neuralgia, paralysis and many other diseases. Complete restoration to health, vigor and manhood guaranteed. No risk is incurred as thirty days trial is allowed. Write them at once for illustrated pamphlet free.

Wonderful! Wonderful!
Thousands of young men are exclaiming the above every day, after using
DR. LAMARTINE'S MOUSTACHE GROWER.
Positively the only reliable preparation ever offered to the public. A trial will convince the most skeptical. Beware of bogus imitations. Sent postpaid, in plain wrapper, on receipt of price, $1.00 per box.
C. ALLENE, Box 13, London, Ont.
AFTER USING. Sole Agent for U. S. and Canada.

I CURE FITS!
When I say cure I do not mean merely to stop them for a time and then have them return again, I mean a radical cure. I have made the disease of FITS, EPILEPSY or FALLING SICKNESS a life long study. I warrant my remedy to cure the worst cases. Because others have failed is no reason for not now receiving a cure. Send at once for a treatise and a free Bottle of my infallible remedy. Give Express and Post Office. It costs you nothing for a trial, and I will cure you.
Address Dr. H. G. ROOT, 183 Pearl St., New York.

EYE, EAR AND THROAT.

DR. G. S. RYERSON, L. R. C. P. S. E., Lecturer on the Eye, Ear and Throat Trinity Medical College, Toronto. Oculist and Aurist to the Toronto General Hospital, late Clinical Assistant Royal London Ophthalmic Hospital, Moorefield's and Central London Throat and Ear Hospital. 317 Church Street Toronto. Artificial Human Eyes.

WANTED, LADIES OR YOUNG Men in city or country to take nice, light and pleasant work to their own homes; $2 to $5 a day easily and quietly made; work sent by mail; no canvassing; no stamp for reply. Please address RELIABLE MFG. CO., Philadelphia, Penn.

Best PLACE to secure a Business Education or Spencerian Penmanship at the SPENCERIAN BUSINESS COLLEGE Detroit Mich. Circulars free