AGRICULTURAL.

A MODEL INSTITUTE.

next century-if spared that long. The meeting was in the house of God. A minisprayer and praise. The young girls and shanty. young men in the neighborhood came in and played and sang for us. John Wilson, a neighborhood farmer, presided with such grace and tact that we were continually reminded of Blaine, in the House of Rapresentatives of the nation. The order was perfect throughout and every farmer was invited, coaxed, or questioned into debate.

The locality is advanced in many specialties. People came from a distance of twenty miles and from all directions. Breeders of different kinds of stock, improvers in what was going on, a brand fell down and various directions, experimenters in all departments of the farm, associate and private light I counted eleven old rattlers between creamery men and home dairymen, all were there discussing in turn the different ways apparently taking solid comfort, but others of managing the product of the cow.

The peeple did not need urging to milk, the question was -"what cow?' They did not question the wisdom of cutting the corn did not inquire about the profits of improvimprove.

The address of welcome surpassed some little or nothing, were worth room in the from springing up. literary and scientific magazies.

Farmers were there with accurate accounts of what they had been doing. Mr. Hoyle, per pound, an average of \$55,20 per cow. snake moved. Capt. B. T. Buckley, of Rowley, was there with results. He sold from 14 cows, and seven two-year-old grade Short-horns 8,293 pounds of butter at 223 cents per pound. grow uneasy. One after another uncoiled Rating the seven two-year-olds as four cows we find the Captain had an average of \$67.00 per cow. He sold his calves for \$14.00 each, body, or go out by the front way. giving him \$81.00 from each cow, not estimating skim milk fed to the hogs. These are samples of what is being done by the people of that neighborhood.

One of the most beautiful features of the Institute was that every farmer brought his ladies read papers on the different features | death. of home life, nice, matronly women, that a boy would ask a piece of bread and butter with preserves on, from, or that a man is dealy slipped out by the front way, and proud of as a mother, wife or daughter. All our women are not the short-haired variety, that walk and talk like a man and act masculine.

Those people need no more visiting, brethren. They can take care of themselves. The Institute association has graduates already. Other localities may send there for help. So grows the farmers' movement for self improvement!

ORCHARD NOTES.

Trees when received in a dry condition should be covered with moist soil, and if the weather is wet the buried trees should be protected with hay or straw to shed the rain, since too much moisture is injurious. When the trees have become swollen to their former size, plant them at once, keeping their roots from the air as much as possible. A bree well planted is half grown.

An excellent wash to make the bark of fruit trees smooth, and valuable also for destroying the eggs of borers and other insects, is made by taking a one pound can of concentrated lye (caustic soda) and dissolviing it in one gallon of water. Use with a mop or brush, taking care that it does not get into the eyes of the operator, as it is very corrosive. It causes a glossy bark and when applied in proper season will destroy young borers and also multitudes of root-

The early apples, peaches and the like should always be planted near the dwelling, and the plot made a run for poultry, or the trees protected and the ground used for a run for hogs or sheep. The advantages are: easy access to the fruit, the consumption at once of all fallen fruit and larvæ of the codlin moth which would escape and attack the winter fruit if planted near by. By the plan we advise, the early fruit attracts the moths which can be destroyed, and the later fruit will be safer from attack.

In planting the peach, quince or apple, see that no borers are present. Take a dull knife and scrape the bark at the roof carefully to see if any discolored spot appears, if so, search for a borer beneath and remove it. The writer set 2000 peach trees five years ago and took as many as seven borers from a tree, but few having none. The work was so thoroughly done and no orchards being near to furnish mature insects to impregnate them, that there has not been a single borer found, or that can now be "with excellent judgment"-we should found in the entire 2000 trees.

that on dry soils, deep planting of apples ling bar with one hand," and reached over as and peaches is most successful. Seven years he " made the coupling and dropped the pin ago some large trees were planted a foot with the other;" had a struggle with the deeper than they graw in the nursery. The flying cars, but at last ckecked them; got year after planting was dry; not a tree suf- them started back, he made thirty-five miles fered from drouth, nor was loosened by an hour, and the "lightning" in sight makstorms. They have remained very erect ing sixty-on a road without a wire-he had \$100 and the essay will be widly publish well as at the other rich church a league disand grow very rapidly. In wet places deep | ten miles to run in this shape, but he made planting is disastrous. In such situations, it, got the siding, time to turn the switch, if planted at all, it should be on ridges, and and the "lightning" thundered by. Then planted shallow at that. Peaches are best "the boy fainted dead away." No wonder; when put moderately deep, with the soil it was enough to make a man faint to read ridged up to them by shallow ploughing it; it was high time somebody fainted. We afterwards. The trees need sufficient soil haven't the least objection to fiction; we on the roots to keep them firm during high rather like it, but even fiction for boys winds. The quince roots in a shallow soil should have some sense in it. Not much, and deep planting or deep culture is not to perhaps, but just some. be desired. A moist soil for them, however, is very essential.

enter the Royal Conservatorie of Music at | mourning dress used by the Empress Maria Leispic is announced to take place April 24 | Theresa at the burial of her husband, Francis at the institution of world wide fame. Every of Loraine. According to the usual custom, branch of instrumental music and composi- the heart of Rudolph was placed in a silver

tion is taught by famous masters. The first of the three elections in England, keenness with which the battle was fought. | will have exceptional advantages.

Unwelcome Visitors.

it is a far more severe strain upon the O'er her silvered head the seasons pass We attended the Farmers' Institute, at | nerves when one is compelled to remain in | Light as the zephyrs that sway the grass. Walker, Linn county, and saw what we had active in the power of the enemy, and trust lived in hope of observing sometime in the to good-fortune for deliverance. A pros- Though life for her holds nothing more pector, camping in the mountains, was waked from a sound sleep one night by the ter of the gospel opened the meeting with | consciousness of something unusual in his | Yet the patient hands and ready will

I was not long left in doubt as to the character of the visitors. A hiss or two warned me, and as soon as my eyes got used to the semi-darkness, for the fire had burned down to a bed of coals, I could make out a dozen wriggling objects between the fire and me, and knew they were snakes.

They had crept out of the rocks behind me, attracted by the light and warmth, and every one must have run over my body.

About the time I got it through my head made a little blaze, and by this increased me and the fire. . A few were coiled up, and were running about in a frisky way, and now and then coiling around each other.

I was covered entirely, except my head, and I'd have covered that up, too, if I had for fodder, but compared methods. They dared to move as much as a finger. There That guide to the straight and narrow way was only one way to get out of the shanty, ed stock, but about the best with which to and so long as the snakes held that, I must remain quiet. I shut my eyes, and tried to keep my mind on something else, but in at the annual Breeders' meeting. Local five minutes I was sweating like a trotting Tranquil she waits to be summoned home. essays by men of whom the State has heard horse, and it required all my nerve to keep

I could stand the situation better with my eyes open, and pretty soon I was considerably encouraged by seeing most of the of Springville, sold 1,920 pounds of butter snakes curl up close to the fire and go to from eight high grade Jersey cows at 23 cents | sleep, and for the next two hours not a

> It was fully two hours before daylight came. The fire had by this time died Scanty fare for one will often make a royal almost out, and the snakes had begun to himself and crept lazily about, but not one made the least move to retreat over my

I was now suffering a thousand torments from having lain so long in one position, but I dared not move. The sweat trickled into my eyes, and I hardly dared to wink. It had been daylight three quarters of an hour when I felt that I had got to make wife, and during the two days five different a move, even if it was into the jaws of

I had just drawn a full breath to get ready for the move, when every snake sud-

whisked out of sight. You may believe I wasn't long getting the numbness out of my legs, I advanced to rekindle the fire. Then I saw the snakes into a big toad thirty or forty feet away. It was, no doubt, his hopping by the door- Nothing but a ceaseless Fountain can its way which drew them out.

Burdette on Boy's Stories.

Those who are familiar with the writings of Robert J. Burdette know that he says many earnest words in a jesting way. We have seen nothing better from his pen of late than a playful but very serious complaint against the sensational style of stories that are occasionally admitted to our best children's periodicals. On the whole, these periodicals are edited with praiseworthy care, but they do make a slip now and then that makes this rebuke from the gentle humorist by no means inappropriate.

No, oh, no; we are not going to pitch into the five-cent blood and thunder novelette, not right directly at any rate. We were just looking over a story in the late number of a most excellent and highly respectable juvenile magazine; a good magazine, that doubtless views with alarm as do all the rest of us, the poisonous literature of the news-stand. This story is about a boy fifteen years old, who, while standing alone on his father's engine on a lonely siding, saw a runaway train of cars, started by the wind, sweep past him down the grade. Unusual thing—the lightning express nearly due; the train despatcher always manages to have a lightning express about due when anything of this kind happens. There is "no telegraph wire either;" this is also unusual; a road without a wire is apt to run lightning expresses and limited trains every fifteen minutes. The boy thinks quickly; boys of fifteen are always quick thinkers; he runs his engine out on the main line, setting the switches for himself, for his father had gone to supper, miles away in the country, presumably, as it is quite customary for railway engineers to take all their meals on distant ranches, leaving their engines in charge of children. The runaway cars "are miles away," and he has "less than an hour" to which were flying like wind; he slowed up Extensive trials have taught the writer engine, got out on the pilot, lifted the "coup-

At the funeral of the Crown-Prince of The examination of students who wish to Austria the Crown-Princess wore the same urn and buried away from his body.

Gas that can be used for fuel, at so cheap towards which so much attention in the a rate as ten cents per thousand cubic feet, political world is directed, has been decided. is a desideratum devoutly to be wished for. In the Barnsley Division of Yorkshire Lord | That, however, is to be the good fortune of Compton, the Gladstonian candidate, was our friends at Windsor. At a meeting of elected by a majority of 2,451 votes over Mr. | the Town Council on Wednesday the repre-Wentworth, the Conservative representa- sentatives of three companies attended who tive. In the last election in 1886 Mr. Kenny, were prepared to supply the natural gas dis-Liberal, had a majority of 2,508, so that in covered in the neighbourhood at that price, the total number of votes polled was increas- date. If illuminating gas can be supplied

Grandmother.

It is a terrible thing to face and to fight | Safe from the tempests of hopes and fears, a wild beast or a quick darting serpent, but In the sheltered calm of her forescore years; to the Sun. Much allowance must be made

Than the passing hence to the farther

shore. With love's sweet missions are busied still.

The maxims taught in childhood's school, In feeble age are her guide and rule; And idle fingers, to fold or twirl, Was thought a disgrace when she was a

girl. When the woods awake at the touch of

When the lilacs bloom and the robins sing, And between the orchard trees a-row The blossoms fall like the falling snow,-

Bright through the gathered mist of years A fairer scene to her sight appears; And the robins sing and the lilacs blow, In the happy springs of the Long Ago.

With eyes grown dim with the mists of age, Serene she ponders the sacred page; Conning the precepts, day by day,

Knowing the promise of God is sure, And that His mercies for aye endure,— Life's labor ended, its duties done,

The Cruse That Faileth Not.

Is thy c-use of comfort wasting? rise and share with another. And through all the years of famine it shall serve thee and thy brother.

handful still renew; feast for two

For the heart grows rich in giving : all its wealth is living grain; Seeds, which mildew in the garner, scattered, fill with gold the plain.

Is thy burden hard and heavy? do thy steps drag wearily? Help to bear thy brother's burden; God will

bear both it and thee. Numb and weary on the mountains, wouldst thou sleep amidst the snow?

Chafe that frozen form beside thee, and together both shall glow.

wounded round thee moan;

that balm shall heal thine own, congregated around and darting their fangs | Is the heart a well left empty ? None but God its void can fill ;

> ceaseless longings still. Is the heart a living power? Self-entwined, its strength sinks low; It can only live in loving, and by serving love will glow.

-Elizabeth Rundle Charles.

The Music of the Spheres.

Long ere earth from chaos merging, Glowed beneath the new formed sun, With it's oceans gently surging, With it's softly dashing fountains And it's darkly towering mountains; Long ere this was the strain begun, When the Deity was building His bright universe, and gilding Boundless space with melted light. Through the vast expanse he sprinkled Powdered stars that relly twinkled In the vast and dusky night. Then a voice rang out through space, And the bright orbs fell in place, To the sky's four corners hurled; Here they rose, and there they sank, Star on star and world on world, In a wild unbroken rank, As they clove the ether clear, Rose sad music on the ear; Low and terrible at first, Soon in thundering peal it burst; Then grew faint, and gently sighing Rose and fell yet never dying. Over Time unto the gate Where Destruction sits with fate, We hear it not, nor can we see Thy dim arkana, Mystery; But there are strange things hid ajar Beyond the track of you red star. MADELINE MARSTON.

A Prize Essay. Mr. G. T. Angell says: I hereby offer to college and university students in the United States and territories a prize of one hundred | take the little starved things to his heart. dollars for the best essay on The Effect of Humane Education on the Prevention of to catch them. He caught the runaways, Crime. The essays must be sent in an think so-crept along the side of the flying of the writer. These will not be opened of which it was built. This is the richest until the committee to whom they are referred have decided to which the \$100 beclose return stamps. The writer of the believe our eyes. successful essay, if it is deemed worthy of publication by the committee, will receive great silver rails around the altars here, as ed with the name of the writer. All essays tant, are no longer solid silver; that the must be received at No. 19 Milk street, lofty golden candlesticks are no longer solid

A Remarkable Engineering Feat.

present level of the river and the second of whatever you may please to bestow. about 740 feet. The cable in question is There are many rare and costly pictures There are also two cables across the Ganges, of 2 900 and 2,830 feet, respectively.

Mistress-"Marie, I saw you kissing a young man at the kitchen door this mornthe present election there is a falling off in and it was determined to have pipes laid ing. I want you to understand that I will the Gladstonian majority of 57 votes; but | through-out the city at the earliest possible | not stand that sort of thing at all." Marie -" Pardon me, madam. I did not know ed from 8,342 to 10,013, showing the intense at a proportionately cheap rate, Windsor the young man was a friend of yours. It shall not occur again."

In the Grand Plaza of Mexico.

Here stood Montezama's mighty temple of course, for the vivid imaginations of the Spanish historians in the romantic days of the discovery and conquest of the New World; but even to this day, and right here on and about the great Plaza you see unimpeachable testimony to this heathen temple's storied splendor.

The grand Plaza is still, as it was when Cortez first entered it as the invited guest of the great Indian city, the heart of Mexico. The palace built, or rather begun, by Cortez, stands on the eastern side of the great square. This palace is the largest in the world. It is not the finest palace in the world, but it is the broadest; covering more acres of ground than any other palace or public building of any sort that I have seen in all my travels. It is a low and ugly edifice, and is built for the most part out of the stones of the overthrown temple to the

Every Monday morning all Mexico, or at least all the idle and curious and pleasureseeking portion of Mexico, and that is a large portion of the citizens, comes to this Plaza to hear the band play and see the troops deploy before the palace. The president and his officers, all in brilliant uniforms, sit or stand on the upper balcony of the palace, and review the troops. There are always many ladies with the president and his officers, -many of them American ladies, -and there is often much cheering and patriotic enthusiasm. The music is very good, as in all Latin lands.

The Mexican soldier, as seen here at these costume parades, is a queer, pitiful little fellow, and he is still more queer and pitiful as you see him out of the city marching up

and down the country.

It is the policy of Mexico to keep her Love divine will fill thy storehouse, or thy | soldiers constantly moving about. And as the Mexican soldier nearly always has his wife and children with him, he cuts a queer figure when marching up and down the a silver sea, and flooding their faces! They country from town to town. At such times he is always barefooted; and at best he has, as a rule, only wooden sandals to wear. When marching in the country he generally has his pantaloons rolled up and tied in a bundle along with his blanket and lines of them, start from the grand Plaza provisions. His bundle the wife generally has on her head, as she trots along at his

The poor little brown soldier, his naked skin glistening like polished copper in the sun, nearly always has a child in his arms Their affection for their little brown children is beautiful, indeed. I have often seen a barefooted soldier struggling along longer here. You go to your grave by Art thou stricken in life's battle? Many with a whole little family, -except the wife, street car in Mexico City now. This car -in his arms or on his back. As night hold of my gun, and as soon as I could get Lavish on their wounds thy balsams, and approaches and the troops are nearing the those who go out, but come not back, by place to camp, the women go on before with their burdens on their heads and their ly city. But it is not so sickly as it seems. babies on their backs, and make fires and For in the first place all the dead, as a rule, prepare the scanty meal; while the poor little brown soldiers trim up their irregular lines a bit, and enter camp with a show of discipline under the sharp orders of the One of these coffins holds the dead, the handsome officers.

> When the bands play in the grand Plaza and the troops deploy, and the glistening big cobble-stones, you see thousands of women and children on the edge of the square which on -- holds the dead. watching it all with intense delight. For to many of them this is their first glimpse of the great palace, and the president of Mexico.

After an hour of rather awkward parade over the ugly cobble stones, and under the eye of the president, one regiment after close by the cathedral with nothing but snother is permitted to melt away, and drop coffins in it; but they are not all of them out in a "go as you please" march again black and sombre. Some are a bright red, for the country.

Ah, then you should see the wives, and babies who have been noting the brave ings, and look like Egyptian work. soldiers all this time! They struggle forward, they clasp husband, father by the dead, it is always brought back, along with neck, hand, anywhere that they can get hold the narrow little box that was filled with of him. They praise his beauty and his soldierly bearing, they insist on carrying these occasions called "cargadaro." They his gun, they kiss him over and over again; sit around the grand Plaza in dezens with and he is glad; he is very glad. He sheds little ropes in a girdle at the side. They tears of joy as he trudges on toward one of always go in a trot, as if the dead had the seven gates of the city.

Now and then he stops, catches up a half naked child, presses it to his heart, kisses it over and over again; and only sets its little naked brown feet again on the ground in order to take np another one of his miserable little children, and embrace it also.

All these soldiers are very, very small men. I have often seen them fairly stagger under the weight of their big ugly muskets as they panted and perspired under a hot day's march in the country. At such times the little children lie thick along the line of march under cactus plants and in the shadow of stone walls nearly dead from exhaustion, waiting for the poor, tired father to come back from the end of the day's march, and

The one special object of interest here by this storied Plaza of Mexico City, after the palace, is the cathedral. It stands on the outer envelope inclosing an inner sealed one | north side of the square facing the sun, as containing the name and post office address | did the great heathen temple from the ruins place of worship in the world, that is to say, it has more gold and silver in and about its longs. All that do not draw the prize will altars and sacred places than any other like be returned if writer so request and in- place now to be found on earth, if we are to

And yet you hear it whispered that the Boston, Mass., on or before March 15, 1889. | gold. But of this no one can say certainly, except perhaps, the few great dignitaries at the head of the Catholic Church in Mexico.

The music is fine here, certainly the finest One of the most remarkable engineering of its kind in America. But the place is feats appears to have been achieved in China, dirty and damp and gloomy from one end in the face of extraordinary physical difficul- of the year to the other. A dozen or more ties-namely, the successful stretching of a deformed and repulsive creatures creep steel wire cable of seven strands across the about the doors over the dirty stones, and river Lunnan, this feet having been accom- implore you as you pass in to buy lottery plished by the Danish engineer Dalinde, tickets which they crumple in their dirty assisted only by unskilled native labor. The hands. Priests in sandals are very plentiful cable extends between two points at a dis- and very dirty. You are not asked for any tance of 4,700 feet apart, the height of the money, but there are plenty of little boxes first support being about 470 feet above the tacked up here and there for the reception

said to be the longest in the world, with here in this glorious old cathedral; and yet a single exception-namely the cable across | the real pictures of Mexico, the pretty ones, | the Yukon river crosses into Alaska about the Kistnah, measuring some 5,070 feet. the pathetic ones, the pictures that make you put your handkerchief to your eyes a dozen times a day are the people themselves. How loving they are! How true they are abject ignorance and most piteous poverty!

There is a little flower garden and some great trees in the centre of the grand Plaza, plays, and the fashionable people congre

You should see the little brown gardeners | continent.

in broad hats and narrow white breech cloth sat work in the flower-garden here in the grand Plaza of Mexico City! You should see him mow the lawn. And how does he do it? Why, in the first place he squals flat down on his naked heels, and then he hitches himself along as fast as he cuts away the grass, without riving up or even lifting his nead from his work. And what does he mow with? Why, a little piece of glass or rather of obsidium, the same as he

used when Cortez came. In digging up the stump of a Eucalyptustree here last winter the gardener came to a stone which proved to be a huge and hideous idol. The government claims all such discoveries, and in excavating this idol for the fine museum in the palace, two others were found. They weigh, perhaps, a ton each, and had long ago been tumbled down here, no doubt by the Spaniards when they destroyed the temple to the Sun. It is said that many rare and curious things, as well as much gold and silver, are still buried here on the site of the pagan temple but only the impoverished government can make excavations.

I have now described the eastern and the northern sides of the great Equare, the palace and the cathedral, the other two sides are made up entirely of broad porches. These porches reach out from fashionable stores and fine shops of all sorts, and are turned into little booths or bazaars by day and on till midnight. But, curious to tell. at and from the moment of midnight the porches belong to the people till sunrise !

A little before midnight those pretty little shops that blaze and brighten all day and till late at night begin to melt away. The Arab, the Turk the Frenchman, the German, all sorts of store keepers fold up their tents, and suddenly start out, as the ittle half-nude and belpless children of the sun steal in and lie down to rest on the hard stones of this half mile of porches.

Till three in the morning as the sudden sun comes pouring over the low palace like spring to their feet on the instant; they gather about the laughing water as they plunge their arms or their heads into flowing

All the street cars, more than a dozen here, and never stop their gallop till they come to a station.

There is one very new and yet very solemnlooking and curious street car starts here. It has a huge, black cross over its one broad, black platform, and is called "the car of the dead." The once long and dreary processions of priests for the dead are allowed no starts every hour, and from the number of this car, you would say that Mexico is a sickare buried from this presence of the cathedral; and in the second place there are almost always two coffins to one corpse. other holds flowers which are to be emptied upon the dead when in the grave.

How this seems to soften the whole hard brass cannon rumble and trundle over the fact of the funeral! One coffin holds beautiful swee: flowers; one-and you can't guess

The poor people here, -and they are, at least, nine to one, -take all their dead to the grave on their backs, But they also always have the two coffins, and they also always come by way of the cathedral when on their way to the grave. There is a whole street some are brilliant with painted roses, some

The poor never bury the coffin with the roses. There are professional carriers for whispered, "Hurry up! I want to get out or this and rest in my bed of roses."

are curiously marked by queer figure paint-

JOAQUIN MILLER.

As to Breathing.

The following heretofore unheard-of information in regard to the breath and breathing was made public in Kentucky recently by a schoolboy of twelve years, who wrote an essay on the subject.

We breathe with our lungs, our lights, our kidneys and our livers. If it wasn't for our breath we would die when we slept. Our breath keeps the life a-going through the nose when we are asleep. Boys who stay in a room all day should

not breathe. They should wait until they get out in the fresh air. Boys in a room make bad air called carbonicide. Carbonicide is as poison as mad dogs. A lot of soldiers were once in a black hole in Calcutta and carbonicide got in there and killed them.

Girls sometimes ruin the breath with corsets that squeeze the diagram. A big diagram is the best for the right kind of breathing.

Dry goods merchant—You have called in response to our advertisement for a floor walker? Well, sir, what are your qualifications for the position? Applicant-I am the father of three pairs of twins.

The estimated cost of building the necessary dams, stocks and improving the navigation of the Red river so as to allow of the passage of boats drawing seven feet from Lake Winnipag to Winnipeg is \$225,000. Deep water navigation ends at Selkirk, beyond which railways are necessary to bring lumber, firewood, etc., from the lake and its tributary rivers to the east, up to the city. Winnipeg contends that railway charges over this short distance do not admit of sufficiently cheap carriage of lumber, firewood and ties, to develop the timber resources of the lake.

Canada is materially richer in territory and mineral wealth than anybody thought she was since Ogilvie's expedition seems to have pretty conclusively demonstrated that ninety miles further north than the former maps have shown it to do, and that, therefore, all this region with the rich gold mines it contains, belongs to Canada, and not to to one another in all their misery, all their the United States. This is good news, indeed, and we suppose Brother Jonathan will have no objections to pay for the treasure he has already allowed to be taker and here lake in the afternoon the band from our mines. What with gold mines and fisheries we will soon be coming to believe that our half is the richer half of the