The Kamily Circle.

THE NINETEENTH CENTURY. BY C. P. CRANCH.

A wondrous light is filling the air, And rimming the clouds of the old despair; And hopeful eyes look up to see Truth's mighty electricity.

Auroral shimmerings swift and bright
That wave and flush in the silent night,— Magnetic billows travelling fast, And flooding all the spaces vast From dim horizon to farthest cope Of heaven, in streams of gathering hope. Silent they mount and spread apace; And the watchers see old Europe's face Lit with expressions new and strange,— The prophecy of coming change.

Meantime, while thousands wrapt in dreams Sleep, heedless of the electric gleams, Or ply their wonted work and strife, Or plot their pitiful games of life,—
While the emperor bows in his formal halls,
And the clerk whirls on at the masking balls; While the lawyer sits at his dreary files, And the banker fingers his glittering piles, And the priest kneels down at his lighted shrine, And the rop flits by with his mistress fine,— The diplomat works at his telegraph wires: His back is turned to the heavenly fires; Over him flows the magnetic tide, And the candles are dimmed by the glow outside: Mysterious forces overawe, Absorb, suspend, the usual law. The needle stood northward an hour ago,-Now veers like a weathercock to and fro. The message he sends flies not at once; The unwilling wires yield no response.

Those iron veins that pulsed but late,
From a tyrant's will to a people's fate,
Flowing and ebbing with feverish strength,
Are seized by a power whose breadth and length,
Whose height and depth, defy all guage,
Save the great primit of the Age. Save the great spirit of the Age.
The mute machine is moved by a law.
That knows no accident or flaw; And the iron thrills to a different chime From that which rang in the dead old time. For Heaven is taking the matter in hand, And baffling the tricks of the tyrant band. The sky above and the earth beneath Heave with a supermundane breath. Half-truths, for centuries kept and prized, By higher truths are polarized. Like gamesters on a railroad train, Careless of stoppage, sun, or rain, We juggle, plot, combine, arrange, And are swept along by the rapid change. And some who from their widows mark The unwonted lights that flood the dark, Little by little, in slow surprise, Lift into space their sleepy eyes; Little by little are made aware That a Spirit of Power is passing there,-That a spirit is passing, strong and free,— The soul of the Nineteenth Century. -Atlantic Almanac.

GRACE ROOHE'S LEGACY. OHAP. IV.

By the Author of Margaret and her Friends. A few months after the events recorded in the last chapter, Mrs. Burton, the wife of the farmer who lived nearly opposite to Grace Roche's cottage, went into her dairy one afternoon, and found the dairy maid and one of the farming-men engaged talking about Grace Roche, who had not been for her pint of milk that day-and they were certain something was amiss.

"I'm sure she must be very bad, ma'am, · for I've been dairymaid here seven years, and I never knew her to miss once. Summer or winter-wet or dry-it made no sort of difference to her; -and as I was saying to Jem, here, when you came into the dairy just now-'Jem,' says I, 'I didn't like the and Jem was telling me what he saw, as he was a coming home from the village last evening, wasn't you, Jem?"

"Wouldn't it have been kinder and more sensible, if, instead of talking about what you both saw and heard, you had gone over to the cottage to enquire after Grace?" said the sensible farmer's wife. "Whatover her character may be, it is our duty to help any poor fellow-creature in distress or illness. It is very likely that, whilst you have been gossiping here, Grace Roche is dying-perhaps dead. I wish you had told me of it earlier in the day; but as it is, no time must be lost. Go over to the cottage at once, Jem, and see if you can make any one hear; and I will send off a man on horseback for Dr. Clay."

The farmer's wife was leaving the dairy as she spoke, when she saw that Jem was standing still.

" Did you hear me, Jem?" "I be afeared to go, ma'am."

"Sally can go with you, to protect you," said his mistress, smiling, and turning to the dairymaid.

But Sally turned pale at the bare idea, and begged her mistress not to ask her to

There was no time to stay and attempt to reason them out of their absurd fears; for Mrs. Burton felt that the life of a fellowcreature was at stake; and having sent the man to the village for the doctor, she put on her bonnet and prepared to go over herself to the cottage of Grace Roche. It was quite true what the dairymaid had said about Grace's punctuality in her visits to the farm. Years ago, they had offered, in a kind spirit to send the milk over to her in bad weather; but the offer had been most ungraciously declined-" No, no, she would come herself, and see it measured, and then she couldn't be cheated!" And she had come every morning, for more than twenty years. No wonder that her absence this one day made her kindly neighbors fear that some evil

had befällen her. When Mrs. Burton entered the gate leading into Grace's garden, the one-eyed dog began barking and howling furiously. The farmer's wife was fond of dumb animals; and, having lived amongst them all her life. she understood a great many of their ways. She had a kind and gentle voice, and going up to the kennel where the dog was chained. she patted him on the head, and spoke softly to him. The gentle tones of her voice had a soothing effect on the poor animal, who seemed to feel that he had a friend to deal with. The loud barking ceased at once. but the piteous howling continued, as if the dumb creature would have fain told all his anxiety about his old mistress.

turned towards the door of the cottage. It arrived, as they had been both from home the power and excellency of that faith which thinker, who has reflected upon the subject, was locked, as usual. She knocked, gently when the message came; but Nanny had at first; and then louder; and, receiving no taken her post within an hour from the her, and a look from her, was a sermon probability of the hypothesis, that for every her, and a look from her, was a sermon probability of the hypothesis. at mest, and the faint mewing of time she had been sent for, and had thus She was doing good by the passive virtues fact of consciousness, whether in the domain a cat was the only sound she heard in reply. relieved Dr. Clay, who promised to look in She tried to look in at the window, but a spain in the evening; having given full central gem in its diadem. dingy curtain drawn across it on the inside prevented her from so doing. Convinced more than ever that something must have happened to Grace Roche, Mrs. Burton returned to the farm, and tried to persuade Jem to bring his tools and force open the door of the cottage, but no inducements, nor even threats, could prevail on Jem to stir a step in the matter, more particularly when he heard his mistress mention the mewing of the cat. "He'd have nothing to do with that cat nor its mistress neither."

Mrs. Burton was at a loss what steps to take, for her husband and all the other men

as he had been when sent for, long ago, to set Grace. Roche's broken finger. Twenty years had not passed over even his happy far as to prevent any one standing upright. genial nature without leaving their traces behind. The "snowfalls of time" had dethe green lanes on a sturdy grey, pony, instead of walking, as he used to do in former nature as kindly as ever and the poorest that he was sure of receiving as prompt and as constant attention as if he had been the squire himself. 123

He would frequently say that he looked upon himself as second only to the clergy thus time wore on. Mrs. Burton, who had tem, that an ordinary day's work at mere taken possession of the only sound chair in mechanical labor, the proportion in grains responsibility of his office. A sincere Christ the cottage, and had become on most friendly (of weight) being as 86: 77. Above every

him how matters stood. "No more time must be lost," he said;

we must get into the cottage at once. Let your man there bring his tools and come over with us.'

Dr. Clay looked towards Jem as he spoke.

"Jem's afraid," said Mrs. Burton. "Afraid, is he?" roared the doctor, in a eye. "And so you'd allow a fellow-creature to perish, rather than strive to overcome your senseless fears! Listen to me, you cowardly fellow! Get your tools and come over with us, this instant; or, should on her sharp face, the same fixed meaninganything happen to yonder poor woman, I'll have you brought up at the next quarter-sessions, as sure as your name is, Jem

Dr. Clay was a magistrate, and Jem knew it; moreover, the doctor's voice and manner

skill to force the simple lock; and, in a few haps he felt, too, how nearly that shadow any cause it fails to get it, shows decided minutes, the door was open. This was no had crossed his own path. Some reflections abatement of efficiency for the rest, of the

The room was very small and dark; and was so filled up with lumber of various kinds, that there was scarcely space to move, Mrs. Burton drew back the curtain which hung before the window, and they had now light enough to distinguish one object from us watch and pray against the love of and progresses more rapidly. Accordingly, another. Grace Roche was lying to all appearance, dead on a miserable bed in one pearance, dead, on a miserable bed in one the rich. Let us pray for contentment with cumbent than in any other position; and if such things as we have; and believe that in a quiet place his nerves get, composed was crouching on the pillow, close to the riches are, at best, a perilous possession, more speedily and thoroughly in a given old woman's head. It was mewing piteous- binding heavy burdens on the heart, and time. Working people understand this well ly. Let no one think that cate are not leading into many temptations. 'In all enough, but not "feeling tired," they hate capable of attachment; for there are well-times of our wealth, good Lord deliver us.' to camp down on a bed or settee, it is such authenticated stories to prove that they are:

felt her pulse. "She is not dead," he exclaimed, producing at the same time a lancet from his pocket; and giving Mrs. Burton directions to procure some restoratives from the farm, as soon possible. "Tell Jem to come to me," he added, as the farmer's wife was leaving the cottage. Jem dared not disobey, but advanced, trembling from head to foot, more especially when he found himself face its post on the pillow of its mistress.

Dr. Clay pointed to the cat. "That poor dumb animal has more kindness in its nature than you have!" said he, sternly, as he gave Jem a basin to hold.

When Mrs. Burton returned, a few moments afterwards, she found something like a look of returning consciousness on Grace's touch a penny of my money? face; whilst the blood was flowing slowly Frank moved aside to speak to down from her arm.

Dr. Clay poured a little wine into her wildly around her.

"Should we not send for her relatives?" whispered the doctor, to Mrs. Burton. "Andrew Roche left home this morning

to attend the markets at Oldford," she replied; "he called on my husband before he all-" It is a good legacy all-allwent; but there are her nephews shall we send for them?"

The latter words seemed to have caught to raise herself in the bed, but sank back of unconsciousness. again exhausted. Something, it was clear; she wished to say; but her speech was affected; and it was some moments before she was able to articulate:

"Yes-send-my-nephew-"We will send for them both," said Dr. Clay, in a slow and distinct voice.

But Grace had again fallen into a state of unconsciousness, and seemed not to have heard his words.

in the cottage, he was despatched, nothing ing I am! But no; God had assigned to her loth, to the village, to summon Frank and a lot which she had accepted, with resigna-Geoffrey Roche; and also, to secure the tion to His will; and all who saw her, and the instrumentality of the brain. Let us on this continent of the ponderous Iguanoservices of Nanny Wilkes, the village nurse. marked the sweet, submissive spirit with endeavor to be a little more precise here. I don of Europe.

directions for the treatment of Grace.

Mrs. Burton kindly offered to remain until Frank and Geoffrey should arrive.

As Dr. Clay went home, he told Mr. Kellv about Grace's serious illness; and the clergyman promised to call and see her sometime in the course of the evening.

Grace Roche had spoken no word since she had expressed a wish that her nephew should be sent for, but lay in a heavy stupor with her eyes closed.

The day was drawing on, and the comfortless looking cottage, with the shades of twilight deepened around it, would have were at work for Christ as this dear invalid cases differ in this, that the passage from formed a study for an artist. The low ceil-It was a great relief to her when she saw the doctor's grey cob trotting up the lane.

Dr. Clay was not quite so fresh and strong on the physics and be a strong of the room to the other, to which were the case! Our duties are modified by ble, is thinkable, and we entertain no doubt our circumstances. If vigorous and well, as to the final mechanical solution of the were the case! Our duties are modified by ble, is thinkable, and we entertain no doubt our circumstances. If vigorous and well, as to the final mechanical solution of the were the case! Our duties are modified by ble, is thinkable, and we entertain no doubt our circumstances. If vigorous and well, as to the final mechanical solution of the must go about doing good; if nailed to problem; but the passage from the physics far as to prevent any one standing upright.
A shelf at one side of the fire-place was filled with odd bottles of all shapes and scended on his head, and he now rode along sizes, and a pestle and mortar, and two or three small saucepans stood on the mantleshelf. The sharp worn features of Grace, days. But his heart was as young his herself, as she lay amongst her rags, on her miserable bed, contrasted with the smooth person felt, when sending for Dr. Clay, that he was sure of receiving as prompt her chintz flowered gown and neatly plaited man, and nine the fool." Three hours of cap, was rocking herself to and fro on a hard brain-work destroy, as before observed, ricketty chair, as she sat knitting a stock- more nervous tissue, and cause a greater ing by the bedside of her patient. And subtraction of the phosphates from the systian, a warm friend, a kind neighbor; such terms with the poor black cat, which sat thing else, brain-workers need sleep, early was Dr. Clay, and such are many of the members of his noble profession.

Mrs. Burton was at the gate of the farm when his pony stopped. A few words told the door, It was Frank and Geoffrey Roche, which this class of toilers should manage to the door, It was Frank and Geoffrey Roche, and device and stripe to set the manage for accompanied by the kind pastor, whom and devise and strive to get themselves for they had met on the way. A few words a time, longer or shorter, each twenty-four for the first time in their lives, beneath their aunt's roof. It was utterly impossible that they could feel anything like warm affection for one who had never shown the course to as a medicine—but the quiet, revoice of thunder, and darting on Jem, at the same time, all the power of his piercing was not without emotion, mingled with awe, and so vou'd allow a fellow-created by each of the galvanic currents therefore not of the brain, I think the position of the position of the position. least kindly feelings towards them; yet it poseful readjustment of the nervous condihappy aunt, surrounded by such self-imposed misery. She did not seem to know them, for there was the same stony look system with a blind, diffused, feeling of the brain, I think the position of the 'Materialist' is stated as far as that position is a tenable one. I think the materialist

> less stare in her eyes. and, as if thinking aloud he murmured,

Grace; a momentary ray of consciousness flitting across her face. Her eyes wandered round the room to where Frank was standing at the foot of the bed, with the light of the candle shining full on his face. He was to face with the black cat, who still kept in person, wery like what his father had been twenty years before. The same ruddy complexion, the same bright blue eyes, the same good humored expression. His aunt gazed earnestly at him, and a scowl passed over her face.

"Go home, go home," she cried. "Didn't I say that neither you nor yours should ever

Frank moved aside to speak to Mrs. Burton, who saw at once that in the wandering state of her mind, Grace had mistaken mouth. She heaved a deep sigh, and gazed | Frank for his father; and as he-drew back, the light fell on Geoffrey, who had been

standing behind his cousin. "You, Geoffrey Roche, are my heir," she exclaimed, in a voice trembling with excite-

Her voice grew so faint as she uttered he last words, that they could only just be heard; and they were no sooner spoken the ear of the old woman. She attempted than she sunk back into her former state

TO BE CONTINUED.

WHAT A USELESS LIFE I LEAD! With mournful tone this was uttered by

one of the humblest and best Christians we ever knew. She believed this, but she was mistaken. She was a cripple, and had been so from childhood. Condemned to a fixed position, and seeing others going about on their mission of love and good works, she Jem's presence being no longer required sighed and thought, what a poor, useless be-

Having thus calmed the dog, Mrs. Burton | Some time elapsed before the young men | which she bore her trial, were struck with | hardly imagine that any profound scientific

THE REST NEEDED BY HEAD-WORKERS."

Head-workers need more rest than handworkers. The old saw precisely inverted the proprieties of the case, so far as it involved them, declaring that "seven hours' healthy sensations and reserved efficiency. In particular, it is believed that all work-

Frank thought of another death-bed ers, both men and women, in all departscene he had witnessed not very long since, ments of labor, and especially in the de--and of the contrast between the peaceful partment now in debate, will find it greatly trusting close of the old miller's well-spent to their advantage to lie down, for a time life, and the hopeless expression on his longer or shorter, during the day, prefernoreover, the doctor's voice and manner had so completely overawed him, that he went at once for his tools, and prepared to accompany his mistress and Dr. Clay to the cottage.

It did not require any great strength or his father's life, and to the dark to the dark of th "How hard it is for them that trust in down or up. In a recumbent posture the riches to enter into the kingdom of heaven." | pulse is slower by eight or ten beats a min-Then turning towards the young men, he ute than in standing, and four or five slowadded, earnestly: "The last day alone will | er than in sitting; the breathing also is less money. It is a snare to the poor as well as the worker can recuperate faster in the re-For though the word 'wealth' there stands dull business. Dull enough truly when the The doctor bent over the old woman, and for 'weal,' or well-being, the opposite of head is swarming with plans, work is ready elt her pulse. "She is not dead," he exclaim- 'tribulation; yet, in many cases, we may to go on, and the worker feels ready to go on with it. But it pays well—this is our ergument-it pays well by the day, month, year or lifetime, and for the great majority of workers.—Lippincott's Mag.

Scientific.

LIMITS OF MATERIALISM.

From the Inaugural Address of Prof. Tyndale, before the British Association for show to what great lengths speculators in natural science expect their investigations to be carried in the most abstruse regions of inquiry, and yet how impassible they themselves are compelled to admit are how insoluble the simplest problems of being and of consciousness to their most refined analysis:

"You see I am not mineing matters, but ers more or less distinctly believe. The formation of a crystal, a plant, or an animal, is in their eyes a purely mechanical problem, which differs from the problem of ordinary mechanics in the smallness of the masses and the complexity of the processes involved. Here you have one half of our magnificent collection of fossil remains in dual truth; let us now glance at the other its possession, Mr. Hawkins proposes to half. Associated with this wonderful mechanism of the animal body we have phenomena no less certain than those of physics, but between which and the mechanism we discern no necessary connection. A man; size of the creature to which they once befor example, can say, I feel, I think, I love: but how does consciousness infuse itself into Academy has accepted the proposition. the problem? The human brain is said to The bones will be sustained by iron bars, be the organ of thought and feeling; when in the lower museum, probably in front of we are hurt the brain feels it, when we pon- the skeleton of the whale, and when erectder it is the brain that thinks, when our ed will convey a very accurate idea of the passions or affections are excited it is through size of Hadrosaurus Foulkii, the equivalent

Her vocation in the service of Christ was in the brain; that this relation of physics not to go from house to house with the tract | to consciousness is invariable, so that, given and the Bible. It was not to attend prayer- the state of the brain, corresponding thought meetings and other social gatherings for or feeling might be inferred; or giving the advancement of religion. But to suffer thought or feeling, the corresponding state God's will—to meditate—to pray in secret of the brain might be inferred. But how But this wasn't all. In that quiet secluinferred? It is at bottom not a case of sion she kept her fingers going in work for logical inference at all, but of empirical as-Christ's poor. She had a word of encour- sociation. You may reply that many of the agement for the disconsolate who called inferences of science are of this character; upon her. She even became an agent for the inference, for example, that an electric the circulation of a religious paper. Use- current of a given direction will deflect a less! No, not she. We wish all our readers | magnetic needle in a definite way; but the is. How the Church would brighten if such the current to the needle, if not demonstraaction in the brain occur simultaneously, we do not possess the intellectual organ, nor apparently any rudiment of the organ, which would enable us to pass by a process of reasoning from the one phenomena to the other. They appear together, but we do not know why. Were our minds and senses so expanded, strengthened and illuminated as to enable us to see and feel the very molecules of the brain; were we capable of following all their motions, all their groupings, all their electric discharges, if such there be, and were we intimately acquainted with the corresponding states of thought and feeling, we should be as far as ever from the solution of the problem. 'How are these physical processes connected with the facts of consciousness?" The chasm between the two classes of phenomena would still remain intellectually impassable. Let the consciousness of love, for example, be associated with a right-handed spiral motion of the were spoken to Mrs. Burton in the porch, and then the two cousins found themselves, whole working system like it. Narcotic mess of hate with a left hand spiral motion. We should then know when we love, that the motion is in one direction, and when we hate that the motion is in the other; but the 'why?' would still remain unanswered. "In affirming that the growth of the body

will be able finally to maintain this position against all attacks; but I do not think, as the human mind is at present constituted, that he can pass beyond it. I do not think that he is entitled to say that his molecular groupings and his molecular motions explain everything. In reality they explain nothing. The utmost he can affirm is the association of two classes of phenomena, of whose real bond of union he is in absolute ignorance. The problem of the connection of body and soul is as insoluble in its modern form as it was in the pre-scientific ages. Phosphorus is known to enter into the sooner done, than Jem prudently retired of the same kindmust have passed through day. Judicious teamsters teach their horses composition of the human brain, and a courbehind Dr. Clay and his mistress; both of the clergyman's mind, as he glanced from to lie down in their stalls, or compel them ageous writer has exclaimed, in his trenwhom went into the cottage, leaving the Geoffrey's pale and thoughtful face, to the to, and many have to be compelled to it in chant German, Ohne Phosphor kein Gedangallant Jem outside in the little wooden senseless form of the miserly old woman; such narrow quarters that they are liable ked (That may or may not bethe case; but even if we knew it to be the case, the knowledge would not heighten our darkness. On both sides of the zone here assigned to the materialist he is equally helpless. If you ask him whence is this 'matter' of which we have been discoursing, who, or what divided it into molecules, who or what impressed upon them this necessity of running into organic forms he has no answer. Scienco also is mute in reply to these questions. But if the materialist is confounded and science rendered dumb, who else is entitled to answer? To whom has the secret been revealed? Let us lower our heads and acknowledge our ignorance one and all. Perhaps the mystery may resolve itself into knowledge at some future day."

GEOLOGICAL RESTORATION.

Mr. B. Waterhouse Hawkins, the distinguished English naturalist, well known as the author of the thirty-six restorations of extinct animals which add so much interest to the Crystal palace, London, says Lippincott for November is now in this city. Having concluded arrangements with the Commissioners of the Central Park, N. Y., for a similar series of restorations, Mr. Hawkins the Advancement of Science, we copy the is engaged in studying the immense fossil following instructive paragraphs, which reptiles, the remains of which are deposited in the museum of our Academy of Natural Sciences. It is his intention to erect in the Central Park restored figures of Ladaps aquilunguis (Cope), Hadrosaurus Foulkii (Leidy), and Elasmosaurus platyurus (Cope). the barriers between matter and spirit, and They will be disposed, we believe, as a group of four, there being two figures of the firstnamed animal, in the centre of a grand geological saloon to be erected in in the Park. The work when completed will give an exavowing nakedly what many scientific think | traordinary impetus to the study of Goology, as the room, if the idea is fully carried out, will afford facilities for pursuing the study of that science to be found at present nowhere else on this continent.

As an acknowledgment of his indebtedness to the Academy for free access to the erect in their natural relations the bones of Hadrosaurus, which are now lying in an obscure dark case of the museum in such condition that very few can realize the immense longed. We are happy to hear that the

J' Wall Day Line