(Continued.) XXXIII.

THE CLOD AND THE STAR.

Harry Vance grew better. It is good to have a close-knit constitution. It is better than huge muscle which excels in lifting; but the slender race-horse limbs are made

but the slender race-horse limbs are made for endurance.

Mouse was by the young fellow's side all the time as before, and one day they were speaking of his delirium during the fever. Mouse told him that he had spoken of the accident at Piedmont, and of holding Frances Cary in his arms, while she was listening by his bedside; whereupon Harry Vance blushed crimson, and demanded just what had escaped him. Mouse had no difficulty in repeating his words, and the blush grew deeper. He had said that he loved her.

"That was unfortunate," he said, in a low voice.

low voice.

Mouse looked at him with a inquiring "To have told her—that—"

He stopped.
"That you loved her? That's what you said, you foolish Harry, and I'd like to know why you shouldn't say it if you wanted to."

others. To them I am a poor vagabond, neither more nor less. Did you ever hear of what is called a zero, Mignon? It is a thing which stands for nothing. I am a

You are our Harry, sir; and any one might be proud to love you—even dear, sweet Frances Cary!"

Harry Vance shrugged his shoulders, blushing. For the first time the latent spirit of bitterness, and revolt at his low fortunes, betrayed itself in the manner of

the poor boy.

"You might as well expect the star to stoop to the clod," he said.
"The star shines on the clod, but does not stoop to

think of yourself so."
"I think of myself as I am, dear," he said, losing his bitterness, and speaking softly and gently. "We are poor and humble, but that does not matter much.

ystem, it is certain that on the very same vening he had a return of fever; and his led to an incident of an unexpected

and faint voice. "I would not dare—not because you are a young lady; because you are—what you are. I did not mean to say that I had held you in my arms. You will not think of it any more—since I tell you I am sorry. I was very sick and weak I am well now, you see, and have come to ask you to for-give me." Oh no !" exclaimed Frances, blushing.

and with tears in her eyes, "there is no-thing to forgive. You saved me - I should have been killed."

have been killed."

"I never meant you to know," he murmured. "I thought it might make you feel ashamed. I had to lift you from your carriage, I could not do that without putting my arms around you. I did not mean to tell any one."

His eyes half closed, and his body, which he seemed to have held erect by a strong strong effort of the will, moved a little as a tree does in the wind.

"I only came to tell you this—I could

"I only came to tell you this—I could not live without telling yeu. You will forgive my raving, as it was only raving.

Government had decreed the extermination of the malefactors, people and. The department was certainly growing indignate in rook?"

The Secretary of Finance was bedgered by his political opponents. These monahilars were tapping a hole in the manner. The worning the trade must come to an out : if it did not came peacefully, if must be made to case. If the city, if must be made to case. If the city, if must be made to case. If the city, if must be made to case. If the city, if must be made to case. If the city, if must be made to case. If the city, if must be made to case. If the city, if must be made to case. If the city, if must be made to case. If the city, if must be made to case. If the city, if must be made to case. If the city, if must be made to case. If the city, if must be made to case. If the city, if must be made to case. If the city, if must be made to case. If the city, and saw that he meant what he troops. A good troop of caviry, will be able to be considered to the city, and the city of city, and the city of city, and the city of city, and the city of city, and the city, and

wanted to."

"I was crazy—out of my head—cr I never would have said so."

"You were out of your head," said Mouse, philosophically; "but that's not the point, sir. I don't see why, if you were in your head, you haven's a right to love people, and have people love yeu, too!"

Harry looked with wide eyes at Mouse, and said, in a low voice, "You can't mean—"

"Yes, I do," said Mouse, manfully; "I mean you are good enough for any iady in this land."

Harry Vance knit his brows; then he said, mournfully, "My poor, dear little Mouse! it is good to be as young and ignorant as you are. You love me—you love everybody, for that matter, you heart is so big; but you forget who and what I am."

"You are my own dear Harry," she said, putting her arms around his neck, and pressing her lips to his pale face.

"Yes, you love me, I say, and your love is precious to me. But you are not others. To them I am a poor wagabond, neither more nor less. Did you ever hear"

"What's that?"

What's that ?"

"What's that?"

"Jine the moonshiners."

"You mean the whiskey men?" said the Leithander, looking intently at him.

"Jest so—the only trouble is the thing's so risky; they might ketch a feller and take his loose change; but they wouldn't git mine—I bury it."

"Bury your recover." "Bury your money?"
"In a holler log, at a place I know in

the woods. That's to keep it out of the bar-rooms. I mostly spend every red cent I take along with me on sich occasions,"
"Well, that's not a bad idea," said the

"You don't drink, p'r'aps, as I do; or may be you do. Take a mouthful?"

Mr. Ruggles had produced a black bottle, and smiled in a cordial manner.

"You're welcome!—it's a good ar-

The young man had lain down on his couch, teiling no one that he felt the fever back in his pulses; and as he had overed his head, they supposed that he had fallen asleep. The rest, therefore, retired, and in an hour the long breathing of one and all indicated that they were asleep.

Then Henry Vance rose quietly, left Crow's Nest, and went out into the night. He was hot with fever, and his steps were uncertain. Did he even know where he was going? It seemed so, since he went straight on, through the night, toward Falling Water.

Frances Cary was in the library finishing a letter; it was about ten at night, and Mr. Cary had gone to his chamber only a few moments before—Frances promising to retire, in her turn, when she had filled her sheet of note-paper.

All at once she raised her head. Steps crossed the porch, the front door opened, then the door of the library; and Harry Vance came in, his head bare, his face flushed, his eyes full of a vague pain.

"I did not mean to," he said, in a faint, trembling voice; "you heard me—I did not wish you to hear me—it was my fever—and I did not know you were at my bed side."

He drew a long breath, trembling and looking at her. His eyes betrayed the secret of the poor boy's heart—an unuterable tenderness transfigured his whole face.

"I am nothing," he went on, in a broken and faint voice. "I would not dare—not because you are a young lady; because you ar

Mr. Ruggles, who had raised the bottle to his mouth repeatedly, watched his companion with a perfectly sober glance. The Lefthander was falling asleep under the effect of his potations. There could be no deubt at all, at last, that he was sound asleep, and Mr. Ruggles proceeded rapidly to search his pockets. They contained nothing but his pipe and tobacco, and a few bank-notes, which the honest Mr. Ruggles replaced. He seemed bitterly disappointed, and even muttered an oath.

"Curse the whole cursed affair!" he said, turning to walk away.

"Curse the whole cursed affair!" he said, turning to walk away.

All at once something grasped Mr. Ruggles by the collar of his coat. He shrunk back with a cry. The something was the heavy hand of the Lafthander.

"Sit down, friend," said the Lefthander, who exhibited neither in face nor voice any traces of his recent potations; "don't be in a hurry. I want to talk a little."

The astoniahment of Mr. Ruggles was

little."
The astonishment of Mr. Ruggles was overpowering. His eyes were full of ter ror, and seemed to project from their orbits. All the colour had faded out of his

FIRST WEEK

overdid the tramp business.

You detec-

Sixteen Persons Drewned in th ELEVEN OF THE NUMBER CHILDREN



Detroit River.

SECOND WREE.
MARRIED LIFE.

into the face of Mr. Ruggles from boneath his straight, shaggy eyebrows.

"It would be better for you and me to understand each other," he said, phigmatically; "I have no time to waste in listening to a made-up s.ory. What I want to know is everything. I know a good deal already. You had best lose sight of being a detective, and remember that we are by ourselves here, as I said, and talking in a friendly way.

The Lefshander looked straight into the eyes of Mr. Ruggles, and then, turning his head in the same deliberate fashion, glanced toward the summit of the rock a few steps distant.

"I understand," said Mr. Ruggles, who had gradually regained his equanimity; 'a nod's as good as a wink to a blind horse.' I mean to tell you the truth. For that matter it's not so hard—I don't like this young Lascelles with his high-headed ways; he's a little too much of the swell for my use, and I rather think if he had been in your place he'd have dropped me over there."

"I think he would," said the Lefthander, candidly.

"I mean to tell you the plain truth."

"It would be better."

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"I mean to tell you the plain truth."

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"I think he would," said the Lefthander on the woods and had a long talk. What he wanted was to get possession of some papers he thought you had, and he offered one thousand collars for the papers—to run up to half as much again if the business was dangerous."

The Lefthander nodded.

"There was no more to say, after I heard where I could find you. I had my tramp that matter it's not so hard—I don't like
this young Lascelles with his high-headed
ways; he's a little too much of the swell
for my use, and I rather think if he had
been in your place he'd have dropped me
over there."

"I think he would," said the Lefthander, candidly.

"I mean to tell you the plain truth."

"It would be better."

"I found him waiting at the station, and
we went off irto the woods and had a long
talk. What he wanted was to get poseession of some papers he thought you had,
and he offered one thousand collars for the
papers—to run up to half as much again if
the business was dangerous."

The Lefthander nodded.

"There was no more to say, after I heard
"The legth ford you." I had my tramp happy.

Statues in London.

The Lefthander nodded.

"There was no more to say, after I heard where I could find you. I had my tramp get up with me, and came and asked you for a night's lodging; and when you were asleep I scarched your pockets aid the whole room for the papers."

I thought you must have done that," said the Lefthander.

"Well, I found no papers on you, or anywhere about—either then or afterward. (From the London Telegraph). At a meeting of the Court of Common

The selonthiment of Mr. Roggles was not live without killing year. You will now proposering, He syes were full of ter ore, and seemed to preject from their ore, and seemed to the seeme

THIRD WEEK

"Well, that's not a bad idea," and the season to the old, but does not stoop to the size and the loady in the state of the step of the ste sent for. Well, I don't drink now, but it is that just prior to the collision m collision was unavoidable he shouted to his friends and to the children, "Come to the front," Some did so, and Miss Dusseau followed him. At the same time he felt the boat give way beneath him and caught hold of a rope on the Garland. The young lady did the same, and somebody on board the steamer pulled her aboard and he climbed the rope unaided. The four boys saved crawled out of the cabin windows and threw themselves into the water. They were picked up by the lifeboat of the Garland, which was immediately lowered, but some plaked up by the lifeboat of the Garland, which was immediately lowered, but some who might have been saved were, he fears, drowned by the swell or run down by the Fortune, which plowed along very soon after. This was not the fault of the Fortune, as they seemed to suppose, that the Garland people, who hailed them in alarm and anxiety, were cheering. were cheering.
In addition to the names of the lost already sent, another boy, John Grensel, was also drowned. A search to-day failed to find the wreck of the sunken yacht. No

bodies have yet been recovered. Inhuman Parents.

(From the London Telegraph.)
There are already a Society and an As sociate Society for the Protection of Women and Children, but the action of Women and Children, but the action of these associations—all excellent as no doubt they are—would sppear to be chiefly confined to taking up cases of aggravated assaults committed by husbands of the lower classes upon their wives. Instances of cruelty to children also come occasionally under the societies' cogalizance, but many more of the mest flagrant nature seem altogether to have escaped their notice. For example, we fail to perceive any trace of the societies' action in the case of the man James Marr and the woman Glynn, who were recently summoned before Mr. Newton for acts of the most hideous bar barity towards a boy of 7, named Bertie for a might's lodging; and when you were also placed in the course of common for the papers."

At a meeting of the Court of Common for the papers. Through ye must have done that, had be the thander.

Through ye must have done that, had be the thander.

Through ye must have done that, had be the thander.

Through ye must have done that, had be the thander.

Through ye must have done that, had be the thander.

Through ye must have done that, had be the thander.

Through ye must have done that, had be the through ye had be the prestige of this ancient city, and which should be a source of gratification or anywhere about—cither then or afterward.

I got the shingle job to be in the neigh bourbood, and was often in the house when you were away; but there was nothing there, missely on hid if where I could not not have the papers of that attricts and life.

"As you say, there was nothing there.

The had you had gone that night to the be believed in the papers of the structure, by the addition of appropriate groups of the structure, where you slept. This amounted to not thing; and shough I started to go and see Mr. Crantham, and pump him, I gave up the idea as not worth the trouble. He could only tell me what I knew—that you had gone that night to the believe in the house of a Mr. Grantham, in the town, where you large. This amounted to not thing; and shough I started to go and see Mr. Crantham, and pump him, I gave up the idea as not worth the trouble. He could only tell me what I knew—that you had gone that night to the believe in the house of a Mr. Crantham, in the town, where you large. However, and the structure is the property of large. House Restates' Committee to ebase of the morning; and as to a kniving you might any the property of the corporation has tilt was a new hand as the decleave the morning; and as to ake having your papers of you were the work of the morning is and as to ake having your papers of you were also you had gone that night to the believe that the property of the corporation has tilt be ref

The most wonderful and marvellous success, in cases where persons are sick or pining away from a condition of miserableness, that no one knows what alls them (profitable patients for doctors), is obtained by the use of Hop Bitters. They begin to cure from the first dose, and keep it up until perfect health and strength is restored. Whoever is afflicted in this way need not suffer when they can get Hop Bitters. See "Truths" and "Proverbs" in another column.

SCROPULOUS HUMOURS.—The VECKTINE has cured many cases of scrofuls of five, ten and twenty years' standing, where the patient has had many physicians, tried many of the known remedies; and, after trying the Vegeting, the common remark is, "It acts differently, works differently, from any medicine I have ever taken." Vegeting will cleanse scrofula from the system. Try it.

MUSIC AND THE DRAMA.

London Crystal Palace.

The New York Times learns from private letters recently received in that city that Nilsson's voice is hardly as attractive as it was, and that the rumours concerning it hitherto published from time to time were not entirely groundless.

Maj. J. B Pond has accepted the comic opera of "Maud," the libretto of which has been written by Earl Marble, and the music of which is being composed by Alfred Cellier in London, and promises to produce it during the coming season at the New York Fifth Avenue Theatre.

That excellent musician and learned

Produce it during the coming season at the New York Fifth Avenue Theatre.

That excellent musician and learned writer, Dr. Franz Hueffer, in a recent speech delivered in London described the "Crystal Palace Concerts" as the "most perfect orchestral performances in Europe." Coming from an intelligent German, this is high praise indeed.

The D'Oyley Carte Opera Company, engaged to play in Gilbert and Sullivan's new piece, will not begin their season in Booth's theatre, New York, until the 3rd of January. Manager Abbey is said to be very favourably impressed by what he has seen and heard of the opera which is to colipse "The Pirates" and "Pinafore."

The New York Sunday Mercury says this is only a sample of several hundred paragraphs it has on hand for gratuitous distribution:—"Miss Bernhardt played Fron Frou'so effectingly at a late representation in London, that the entire audience were bathed in tears and before the curtain fell the actress was compelled to play the last scene in rubber overshoes in order to keep her feet dry."

The following card is something of a time of the contraction of the contraction of a possity in the contraction of a time.

ence were bathed in tears and before the curtain fell the actress was compelled to play the last scene in rubber overshoes in order to keep her feet dry."

The following card is something of a novelty in the musical world:—"To all whom it may concern:—The friends of Leopold Lichtenberg, now residing in San Francisco, Cal, his native city, will sustain him in the sum of \$5,000, United States gold coin, to play against any person now in the Americas, North or South; and in five years from date, viz., when he shall have become 23 years of age, they shall have become 23 years of age, they will sustain him in the sum of \$10,000 to erature are but a poor make up for the play against any person in the world, ac-didents and casualties excepted. D. C. M. Goodsell, 427 First street, San Francisco,

Cal."

It is stated on good authority that the executors of the late Major Adams, of London, are sueing Mile. Valleria for £2,-600, the amount they claim was expended for the musical education of the young lady and her sister in Italy and London. Passibly the rumour that Mile. Valleria's husband (Mr. Percy Hutchinson) announced his intention to settle £15 000 upon her on the day of their marriage has had something to do with the commencement of this suit. It is said that this very charming and accomplished prima donna intends to remain in the profession, and is under contend to the said that the commencement of this suit. It is said that this very charming and accomplished prima donna intends to gratify this. If we are an intended to gratify thirst, if we are susceptible of attachment, there are beings to gratify that love. If we thirst for life and love eternal, it is likely that there are an eternal life and eternal love to satisfy that craving —F. W. Robertson.

President Chadbourne, of Williams College, says there are two classes of men who find it difficult to reconcile the Mosaic and the geologic record. The first class has no practical knowledge of the facts of geology, and the geologic record. The first class has no practical knowledge of the facts of geology, and the geologic record. The first class has no practical knowledge of the facts of geology, and the geologic record. The first class has no practical knowledge of the facts of geology and the geologic record. The first class has no practical knowledge of the facts of geology and her sister in Italy and London.

If we thirat, there are beings to gratify that love. If we thirat, it is likely that there are and love eternal, it is likely that there are and love eternal life and eternal love to satisfy that craving.—F. W. Robertson. ed his intention to settle £15 000 upon her on the day of their marriage has had something to do with the commencement of this suit. It is said that this very charming and accomplished prima donna intends to remain in the profession, and is under contract with Mr. Gve.

Seguin, Pauline Maurel, Emily Larange, Signor Brignoli, (his first appearance in English opers); William Castle, A. E. Stoddard, Waiter Strini and Ellis Ryse. Stoddard, Waiter Strini and Ellis Ryse. It is anticipated that Brignoli will create a sensation in his new departure. He will appear with Miss Abbott in "The Bohemian Gffl," "Trovatore," "Lucia" and "The Barber of Seville." The Abbott repertoire will also embrace "Faust," "Mignon," "Maritana," "Paul and Virginia," "Romeo and Juliet," and "Carmen." The season will begin quite early, the opening engagement being in some one of the Western cities.

M. Cohen's opera "Estella," which Mr. Gye has recently produced at Covent Gar-

M. Cohen's opera "Estella," which Mr. Gye has recently produced at Covent Garden, with Mme. Adelina Patil in the principal role, appears to have fallen flat. The London Standard says:—"Estella' is understood to be an amended version of Les Bleuets,' which was given, with very slight success, at Paris in 1867, and has been revised with a view to its performance at the Royal Italian Opera. But it is not amendment or revision which 'Estella' needs. What is wanted is something which the composer clearly cannot provide—original melody and the faculty for giving musical expression to a dramatic

anomination for a state within Setella, which the composer clearly send that the composer clearly send that the composer clearly send to the faculty for giving musical expression to a dramatic incident. The lack of these constitute the fatally weak points of 'Estella,' and, unfortunately, they happen to be the first incident. The lack of these constitute the fatally weak points of 'Estella,' and, unfortunately, they happen to be the first and sort indispensable requisites of every set and the state of the property of granted, is a well-trained musician; as a soomplished student, if not always a master, of orchestral devices, and by no massa without an appreciation of tunefulness. He has a considerable knowledge of contemporary opera, a knowledge so deeply model, indeed, that there is in his to his memory than to his imagination, but though M. Cohen borrow, he does not always borrow judiciously." Mme. Patti is generally commended for ther share of the performance, but even she could not are the open with the sent that the work of the performance, but even she could not are the open with the sent that the work of the public stations which will throw the "Collean Bawa" and "Arrah na Fogus" into the slade. I reland it to be shown from a new point of view and Irish charmany before the public firstborn, who, despiting his native land and the traditions of his fathers, miss in London sectely and among Englishmen as Dadley Walsinghan, desymbol the public firstborn, who, despiting his native land and the traditions of his fathers, miss in London sectely and among Englishmen as Dadley Walsinghan, desymbol the public first bear with the provise of the public firstborn, who, despiting his native land and the traditions of his fathers, miss in London sectely and among Englishmen as Dadley Walsinghan, desymbol the public that the provise of the public firstborn, who, despiting his native land and the traditions of his fathers, miss in London sectely and among Englishmen as Dadley Walsinghan, denymbol the public that the prov

RELIGIOUS INTELLIGENCE.

Rev. I. Cunningham has accepted a call to the pastorate of Anoaster Baptist church.
Rev. A McFadyen has accepted the call of the pastoration of Hillsburgh Baptist church.
Rev. Job Shenton, formerly of the Nova Scotia Conference, is the most popular preacher in Newfoundland.
A unanimous call was given to R. I.en. nie to assume the pastoral charge of Dundas Baptist church.
Twenty-two candidates for missionary work were ordained last month by the Bishop of London. One of them was a native of Africa.
The English Curates' Augmentation for the contraction of the c

native of Africa.

The English Curates' Augmentation fund had an income last year of \$63,120. It is desired to give \$250 to curates who have served fifteen years.

The American Episcopal Church reported the number of communicants in 1877 as 281,970; in 1878, 314,367; in 1879, 320, 000; and in 1880, 322,713.

Rev. J. R. S. Parkinson, curate of Liver. pool, N.S., was recently presented with an address, accompanied with a purse to Mrs. Parkinson containing \$60.

Spurgeon is one of seventeen children.

Mrs. Parkinson containing \$60.

Spurgeon is one of seventeen children. His mother was one of twenty-two. He was converted in a Methodist church, and began to preach at sixteen years of age.

Rev. Samuel Johnson has this noble reproof of politic silence:—"The unbeliever is he who deliberately declines to speak what he thinks, or to trust humanity with what helpful truth has been intrusted to himself."

It is interesting to notice how levels it.

himself."

It is interesting to notice how largely the Bible influences the literature of the day. Its phrases are so telling that they pass current everywhere. The most secular of the newspapers are liberally sprinkled with them.

want of these - Dr. Arnold.

Every natural longing has its natural satisfaction. If we thirst, God has created liquids to gratify thirst. If we are susceptible of attachment, there are beings

oration and disorder, and the most blas-phemous, athelstical doctrine proclaimed aloud." He did not believe it. For one, he would be only too glad if the bill, which had caused too much grievance and which had caused too much grievance and unsettlement, soon became the law of the land. He had no fear that the privilege would be abused in the way some people feared, who could not trust their neighbours as he wished they could trust them.

Begin the morning by saying to thyself, I shall meet with the busybody, the un-I shall meet with the busybody, the ungrateful, the arrogant, deceiful, envious, unsocial. All these things happen to them unsocial. All these things happen to them by reason of their ignorance of what is good and evil. But I, who have seen the nature of the good that it is beautiful, and of the bad that it is ugly, can neither be injured by any of them—for no one can fix on me what is ugly—nor can I be angry with my neighbour, nor hate him. For we are made for co-operation. To act against one another, then, is contrary to nature; and it is acting against one another to be vexed and turn away.—Marcus Aurelius.

AMERICAN JOTTINGS.

There are now more mackerel off the

GRICULTURAL.

THE HORSE'S FROG.

we were to go to many at blacksmith ask him if he did not think nature had a mistake in putting a clumsy frog the horse's foot, he would hardly be y to say yes, and very likely would put surprised look, and perhaps explain in some countries horses did very without shoes, and so the frog was to take care of itself. But while not is to take ground with you in any loism of the plan upon which the foot is structed, you have but to look in the lar of the shop where two horses standly shod; lift up their feet and observe yourself, that if the smith has not said if, that if the smith has not said the knife has said the frog is a bad and must be cut away. The horses and must be cut away. The horses t stand on the ground, but hearly in inch higher, on the iron of their and which takes the weight of the on the outer shell of the hoof. The loe is as sensible as it would be for a shadow of the travel on all fours taking. practice is as seasone as it would be for a man who had to travel on all fours, taking the weight on the nails of his fingers and toes rather than on the cushion which lies behind them. It is always the soft part—the India rubber part of the feet of animals that have such—which receives the weight, what have shelly hard part. We know the India rubber part of the feet of animals that have such—which receives the weight, and not the shelly, hard part. We know what an elephant's foot is; it is all rubber-like. The horse has the same encased in a shell, which gives him accuracy and steadiness of movement. Now, this casing protects the frog. It grows slowly, the frog grows rapidly. The healthy foot of the colt shows a centre, if not projecting, at least level with the line of the hoof. He does not take his weight wholly on the rim of his feet. Old horses would have feet more like them if blacksmiths would allow they knew a little less than nature, and really knew enough to read her intentions. The object in shoeing the animal, aside from the occasional one of changing its gait, is simply to prevent the wear and a hatte ing of the outer shell, and to enable it to take a firmer hold of the ground, escaping the slipping of the unshod horn. It is an unfortunate incident of our system of shoeing that the horse is raised from the ground as a boy is when he mounts stilts. ground as a boy is when he mounts stilts,-Farm and Fireside,

CLOVER-ROOT BORER.

CLOVER-ROOT BORKE.

I send you, by the mall that carries this, a small box with a few clover beetles in it, which, if I remember correctly, are the same as you described about a year ago. I shall be greatly obliged to you if you will give the scientific name, together with information as to where I can find a description and history of the beetle. I have examined about a hundred plants taken a random, and find from two to five beetle in each. The plants have made but a small growth, and are beginning to wilt under the hot sun.

W. A. HENRY.

Ithaca, N.Y., May 23rd, 1880.

Ithaca, N.Y., May 23rd, 1880.

The insect is the clover root borer (Hylesinus trifolii, Müller), first treated of in

lesiaus trifolii, Muller), first treated of In our report to the Deprement of Agriculture (1878), from which we quote in answer to our correspondent's questions:—

I have found the insect in all three stages of larva, pupa, and adult, up to the time of frost, though the perfect beetle of this season very greatly predominate. The insect hibernates in any of these three stages, and continues propagating as soon as spring opens, the beetles issuing from the ground and pairing during the early spring mouths. The female then instinctively bores into the crown of the root, eating a pretty large cavity, wherein she decrease from four to six pale. whitish tively bores into the crown of the root, eating a pretty large cavity, wherein she deposits from four to six pale, whitish elliptial eggs. These hatch in about week, and the young larve at first in feed the cavity made by the parent. After a few days, however, they begin to burrow down ward, extending to the different branches of the root. The galleries made in burrowing run pretty regularly along the axis of the roots, and are filled with brown excrement. The pupa is formed in a smooth ment. The pupa is formed in a smooth

ment. The pupa is formed in a smooth cavity, generally at the end of one of these burrows, and may be found in small ru bers as early as September.

It is the custom in Western New York to sow the clover in spring on ground already sown to fall wheat. This is generally done while the snow is yet on the ground, or while the front is disappearing one peck of seed being used to the sore. The clover is allowed to go to seed in the fall, and usually produces but little. During the second year one crop of hay and crop of seed are obtained. It is during this second year that the injury of the Hyles inus is most observed.

No experiments have yet been made with a view of preventing the injuries of this clover pest, and no other mode of prevention suggests itself to my mind than the pleughing under of the clover in the spring of the second year, if the presence of the beetle is observed.

The length of the beetle averages about 2.5 mm.—Am. Entomologist for July.

Several sheep, a couple of helfers, and dog have been killed at Blueberry, Queen County, N. S., by bears within a shor period.

period.

A correspondent of the English Gardes traps field mice by placing bits of chees in bottles sunk in the soil, rather on the slant, the mouth on the level of the ground. A writer in the New York Tribung after trying all sorts of materials for keeping the borer away from his apple trees, a length hit upon the bark of white birch which will ourl round the trunk of the tree and keep in place without tving.

which will ourl round the trunk of the tree and keep in place without tying.

On a late visitation of cockehalers in fewer than 130 tons of the beetles wer collected near Lutzenberg, Prussia, the collectors being paid a half-penny per pound for the entire catch. The beetle are used for manure, and also dried an broken up for feeding to poultry.

The Rurai New Yorker recommends the use of kerosene oil to kill burdocks. If small quantity be poured into the hea of the plants, directly after cutting, the will disappear entirely, roots and stalk will disappear entirely, roots and stalk

An Ohio man says there is nothing the fowls like so well in the way of green foo as the tops of the Swiss chard best. He is sure that all poultry men who try will set him down as a benefactor for giving this bit of information. These top also make excellent greens for table use.

A series of experiments has demonstrate that bran possesses valuable qualities as fortilizar, it being claimed to be superfet to guano, bone dust, land plaster, etc., he contemporary. About half a ton to the acre, applied once in three or four year is sufficient, while the yield is prodigious increased. This would make it a ches

dressing.

A great deal of lumber is hung up on the headwaters of the St. John. Mr. Robe Councrs has the most of his drive of 20 000,000 stranded twenty two miles abour Grand Falls near the mouth of Quisit stream, Messrs. Kilbura & Aitkens had 400,000 feet hung-up on the St. Crobranch of the Aroostook. Geo. B. Dut has a like amount lodged at Aroosto Falls and Fred Moore 3,000,000 at the same of the Aroosto Rails and Fred Moore 3,000,000 at the same plane. St. John News.

same place.—St. John News.

A correspondent of the Lewist Journal, the past spring, tried graing apple trees at the time transplanting. He transplanted a gratted about thirty trees and lived and scions all grew. He thinks to the heat way to be transplant. the best way to manage with the tre
Where the trees are allowed to get est
lished after transplanting before graftin
the trees are apt to become stunted
account of the disproportion of the top
the roots.

Mr. A. B. Howard, Beichertown, Ma ports to the Fruit Recorder notework units of mulching with stores. Tom suts, around each of which a compress three feet in diameter was planed only proved very thrifty and positive, but commenced to ripen were the store of th

untive, but commenced to ripen unch earlier than the rest, and the nation of their fruit was gone before there had ripened but a small portion helr grop. This trial was so satisfacts