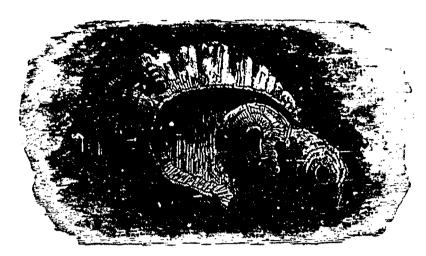
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VOL. XIX.

TORONTO, SEPTEMBER 2, 1899.

No. 35.



PIED'S-EYE VIEW OF VOLCANO AND VOLCANELLO; OR, PRIMARY AND SECONDARY VOLCANO.

ABOUT SOME FIRE MOUNTAINS.

BY C. E. BRUCE.

What is a volcano " A mountain." says the geography, "that sends forth fire and smoke from the top." volcano is not of necessity a mountain. In the beginning of a volcano it is usually an aperture in the earth's crust. This opening has sometimes been made beneath the ocean, and in this case the volcano is not only not a mountain, but is below the level of the earth until enough matter is ejected from 'he opening to raise it to the level of the ocean. Some volcanos on islanda are but a few hundred feet above the general level of the island, and are by no means moun-The height of a volcano depends on the material thrown out of the opening. If the ejected matter is lava in a very fine state, the height of the volcano will not be great. The volcanoes of the Sandwich Islands are illustrations of this class of volcano. on the other hand, the lava is very thick and viscous and great quantity of ashes and stone are thrown out with it, the volcanic cone will be of great height: such as Vesuvius, Cotopaxi, etc.

Again, a volcano is not a

"BURNING MOUNTAIN"

as some of the text books say. The violent action seen in a volcano is in no sense combustion, though it looks much like '\(\) Of the six hundred volcances, said to be found on the surface of the

globe, more than one-half are extinct, or have exhibited no signs of fire or smoke, or anything like them, since the dawn of authentic history. Neither does the eruption always occur at the top, but quite as often from its side or base. The present crater of Stromboli is some distance below its top, and one can look down into it from points higher up on the mountain.

Neither do smoke or flame issue from the volcanic crater as is popularly sup-That which seems to be smoke posed. is really condensing steam, or watery vapour, and what looks like flame is merely the reflected glow from the mol-ien lava beneath. If the vapour were not there to reflect the light we should see no "flame" or anything suggestive of it. When Vesuvius is not in a state of eruption, or is inactive, as when we visited it a few years ago, it is easy to see that the apparent same only exists where there is vapour to reflect it reat cruptions, however, enormous volumes of steam are poured forth, sometimes rising to the height of 20,000 feet, or about four miles, and when these are illuminated by the intense light of immense lava streams, overflowing the rater in al! directions, and rolling down the sides of the mountain, it seems as if the world were on fire.

THE TREMENDOUS NATURE OF VOLCANIO ENERGY.

and its mountain-building work were both strikingly illustrated in the formation of Monte Nuovo, on the shores of the Bay of Naples, a 124 miles north of the city, in the year 1538. From a spot of level ground, we are told, water, at first cold but

afterwards warm, began to then the issue: earth open. cracked showing descent matter within the fl. sure Soon marses of stone, with vast quantities of pumice and mud began to thrown up to a great height, and continued this for two days and nights, forming a hill more than four hundred feet high. Less violent eruptions followed at intervals during the next five or six days, when the volcanic action ceased, and the place has been undisturbed ever since. Monte Nuovo is now a smoothly round-ed hill, covered with a dense growth of pines with



EXTINCT CRATERS IN AUVERONS.

to its summit; and as one rides past it; on an excursion to Lake Avernus (itself no doubt the crater of a volcano, but now converted into a quiet and lovely lake with nothing to suggest its ancient terrors), you would never suspect that instead of being one of the

"EVERLASTING HILLS"

which fill the landscape, it was the suddon product of volcanic forces, acting only some three and a half centuries ago.

Many theories of volcanic action have been framed, but none of them are entirely satisfactory. Prof. Judd, in summing up the results of the latest investigations on this subject, says: "We do not at present appear to have the means of framing a complete and consistent

theory of volcanic action."

It is a curious fact that volcanoes, with rearcely an exception, are contiguous to large bodies of water. All oceanic islands that are not coral are of volcanic origin, and many of them are ati'll the scene of volcanic activity. There are two belts of volcanoes extending entirely around the globe, and nearly at right angles to one another. Where these cross or intersect each other is the region of greatest volcanic activity.

The proximity of volcanoes to the ocean has led to the theory that their action is due to the penetration of sea water through fissures or cracks in the rocky crust of the earth to the molten matter within. The chemical change that would follow, together with the expansive force of the enormous quantities of steam that would be formed in the confined space, are sufficient, we think to account for all the phenomena. It is true there are difficulties with this

problem, but they are less than are found in any other of which we have any knowledge.

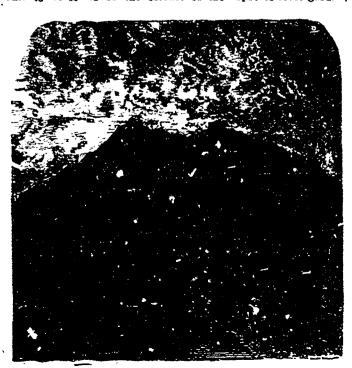
Stupendous as this action is when we look at some of its effects, still we should bear in mind that when compared with the vast bulk of the earth, it is of the slightest and most superficial character. A line the hundredth part of an inch thick, on a sixteen-inch globe, would bear about the same relation to the globe that the highest mountains on the earth do to its size.

FAMOUS VOLUANOES.

We give now a few particulars about some of the most remarkable volcances of the world. From A.D. 1600 to 1631 the crater of Vesuvius was as placid and pastoral as when Spartacus, the Roman Robin Hood, pranked at there gaily with his merry men in dells dense and fragrant with liex and myrtle.

and fragrant with ilex and myrtle.

In July, 1831, in the open sea off the harbour of Sciacca, on the south-western coast of Italy, the skipper of a sicilian brig was astonished by the spectacle of a wave that swelled to the helgh, of eighty feet, and when it subsided gave way to a dense column of smoke. This happened several times, at intervals of fitteen or twenty minutes. Scoriae and dead fish floated ashore in great quantities. In twelve days an islet had been formed, crateriform in shape, and capped with a sheaf of smoke and ashes two thousand feet high. The greatest breadth of the mound was eight hundred feet. Its height was variable, but usually at the extreme point of sixty feet. The materials ejected were too light to build a solid substratum or resist the action of the waves. Hence the short-lived island had in November dis-



CRATER OF NERBABU.



WELLS CAUSED BY BARTHQUAKS.

appeared On the 25th of December the sounding-line showed twenty-four fathoms on its sile. Actan's first outlying colony was a failure. The United States can claim but two active volcances—St. Helen's, a fellow-picket, far removed of Jorullo on the line of the Cordilleras and its file-closer on the north; St. Elins, a twin in height of Orizaba. The eastern and northern coasts of the Pacific are formed by a volcanic range, as every school-boy knows.

volcanic range, as every school-boy knows.

Upheavals and dopressions on a great scale, and operating slowly over vast areas, have made broad gaps in these lines and obliterated others formerly no doubt quite as clearly marked. No one of these rows of chimneys is at any time continuous and synchronous in activity, but the clefts supposed to underlie and be tapped by them reveat their continuity frequently by suppathetic movements involving points separated by thousands of miles. Paroxysms in Hecks, Vesuyius, and Actna have morehan once been palpably coincident. In 1835, Coseguina in Nicaragua and Aconcagua burst into cruption on one and the same day. They are separated by an interval of thirty-five hundred miles. What vehicle of communication is it that travels with such velocity? Sound What vehicle of communication is it that travels with such velocity? Sound would traverse that distance named in about five hours. It is on record that Coseguina was heard at Bogota, eleven hundred miles at the crow files. The atmosphere could not have accomplished this. The reverberation must have been conveyed along the crust of the been conveyed along the crust of the carth through the secret speaking-tube of the fraternity. The mere concussion may have caused the explosions, by unsettling the equilibrium of the sumbering forces, much as the Strock-is summoned into-action-by-a pebbic. When the gases rising from the moiten interior lake seek egress, they force their way in a broad sheet through the space between its surface and the understeed of the incumbent shell, and the enormous tension cannot fail to tell upon the linelastic grust. As a rule, the vol-

ormous tension cannot fair to ten upon the inelastic crust. As a rule, the vol-ume of these fluids seems insufficient to produce a serious tremour unless steam is added to them by an influx of water. is added to them by an-influx of water. Even then, the vibration they cause before reaching the escape-valve is, even in extreme cases, relatively very siight. The most terrible earthquake does not compare, when measured by the body upon the surface of which it acts, with the twitch of a horse's skin in shaking off-a fly. It is imperceptible to the eye of those who experience it in an open plain. Men and the lower animals are seldom overthrown by the movement seidom overthrown by the movement of the soil. Their injuries are due to fai-ing of walls, and less-frequently to the sudden opening of crevices in the soil fhese disruptions, a few feet across, These disruptions, a few feet across, dwindle down to an infinitely small discount of disturbance. Usually, the shock lasts of disturbance. Oscally, the shock lasts but a few-moments, room for expansion into-sea or air having been found by the imprisoned vapour. Sometimes they are repeated during days, and even

LISEON - KARTHOUAKES.

Of numerous and equally disastrous earthquakes in-more recent years, none have eclipsed in the general mind that of-Lisbon, November 1, 1755 The_athave celipsed in the general mind-that-of-Lisbon, November 1, 1755 The at-tack and instantaneous reduction of a European capital-by a new and terrible invader made an impression that will yet be long in dying out. The accounts to be long and a language of the con-tage of the language of the language of the years later, new ones are discovered in-private letters written at the time and since buried in desks and chests. Many years later, new ones are discovered in private letters written at the time and since burled in desks and chests Many English were in the city, or on vessels in the Tagus, who could describe the event in its two aspects, on land and

MARCE.

In this case there was no warning At half-past filte in the morning a tremendous noise was followed by a shock
which prostrated the most solid structures of Lisbon in an instant. Some
minutes after r movement was renewed-in a kina ilkened-to that of a
charlot rolling with extreme violence
over a rugged surfare. First and last
the terrible-blow-occupied six minutes.
The bed of the river ross in several
places to the level of its waters, and that
great quay of the Prada was swalled
up with a crowd who had soughtestey
upon it. For brief space are
the harbour was left in bollow fits teehigh, which was not confined to
the traged, which was not confined to
the traged, which was not confined to
the traged, which was not confined to this case there was no warning more feeble toan its prevension a the tragedy, which was not confined to Lisbon. Oporto, Cadiz and Madrid feltithe shock at the same time, almost to a minute. Other towns and some of the loftlest mountains of the Peninsula ex-

perienced it with more or less marked reaults, but it did not restrict taseful to the bounds of Spain and Portugal, nor was its severity by any means measured solely by distance from any supposed focus. The convulsion is estimated to have affected an area equal to the twelfith part of the surface of the globe, not only was all turope shaken, but a part of America and North Africa. Veauvius, in eruption at the time, was suddenly silenced, and its column of Churches in Cottorian were shaken to hours after the Lisbon shock. Lakes and springs in many parts of Germany, Norway, and Sweden were affected. Westward across the Atlantic the vast costilation took its perienced it with more or less marked Atlantic the vast oscillation took its the Atlantic the vast oscillation took its way. At Madeira the sea rose fifteen feet. A killow, twenty feet high, is said to have entered the harbour of St. Martin's in the West Indies. On the 18th November the impuise reached New England. In Boston, chimneys we overthrown or cracked control of the 18th farms stone ferces had the like missing the control of the 18th for the 18th

Are the forces, various in their mani-Are the forces, various in their manifestations, complex and distinct in their character? Are they all to be sumarily ascribed to the moiter interior? If so, does liquefaction by heat extend to the centre of the sphere? Has the shrinking of the earth from either pole and expansion at the equator, productive of a present difference in diameter five times greater than the height of the iofitiest mountains, nothing to do—with the erection of those mountains, of the long ridges they stud, and of the broader and more gentle plateaus upon which long ridges they stud, and of the broader and more gentle plateaus upon which they stand? May not the assigned fluctuation of two and a half degrees-granting that to be its extreme amount—in the inclination of the equator to the ecliptic, perpetually changing, as the does, the distance of each point of the action of the design of the de

centure, perpetually cataging, as it does, the distance of each point on the earth a surface from its centre of gravity, combine with the former influence in affecting gradually or suddent, the distribution of land and water and a surface of the control of the

A LOOK AT BOTH SIDES.

There are two sides to almost every question; sometimes there are three or four the Rev Mr Pugh tells the fol-lowing story of a man who one day got a clear view of both sides of the drink

duestion.

There was a man who was much given to strong drink, he was an excellent workman and carned good wages, but none of it went home; it was spent in the public-house, where he also spent most of his time. One moraling he stayed longer than usue!

but none of it went dome; it was all spent in the public-house, where he also spent most of his-time One morning he stayed longer than usual there, and while he was sitting enjoying himself, as he fancled, Mrs Jones, the innkeeper, entered the room, and looking out of the window, she called his attention to a poor wretched woman who was picking up cinders in front of the window. This sight was enough it went to the man's heart, for it was his wife liking, he left the house without word. Next morning, he went to work without entering the public-house as usual, and continued to do so. He signed the piedge and kept it. Son his home began to look more comfortable, and he had the pleasure of a clark with the company of th where he now regularly attended, he said, pointing to the public-house, "Will-you come in here for a minute?"

"No, do not go in there," pleaded his

"Oh, we will just go in for a minute I will take care we get no harm," he re-

willingly Mary followed-him in, and

e called "Mrs. Jones"

She remembered the voice and was

with them in a minute
"Mrs Jones, what do you think of.
Mary? Isn't-she neat?"
"Yes," answered she, "she is very "Isn't there a difference between when you saw her picking up cinders and

Mrs. Jones admitted there was a dif-

ference
"Well," said the happy husband, "it'
is because I give Mary the money I earn
now instead of giving it to you."
Thousands of reckless husbands might

profit by taking a similar view of the condition of their wretched wives, whose rights are taken from them to fatten the greedy grog-sellers.

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Pleasant Hours:

A PAPER FOR OUR YOUNG FOLK. Rev. W. H. Withrow, D.D., Editor.

TORONTO, SEPTEMBER 2, 1899.

A GIRL'S WORK.

Several years ago a young girl took a class of boys in a certain Sunday-school. She was very young, had nover taught, and therefore shrank from the work, but and therefore shrank from the work, but with that institutive sagacity which boys often show, they chose her, and persisted in their choice, and so, very doubtfully, she began her work. There were ten boys in the class, and they lived in a village of four or five thousand the should be ived in a viliage of four or five thou-sand inhabitants—a village that bossts of forty-drinking saloons: They were but they had a cordini liking, for their not the good sort of boys—not at all; ceacher, and a strong class-spirit was soon developed to the class-spirit was soon developed to the class-spirit was soon developed to the class-spirit was for did not class of the class of the class of the table to the class of the class of the class of the table to the class of the class of the class of the table to the class of the class of the class of the class of the table to the class of the class of the class of the class of the table to the class of the class encouraged them to stand together, and she stood among them. They learned to tell her everything, and she was the hearty, sympathetic adviser and personal friend of each.

friend of each. Wise little woman! She was laying the foundation-deep and strong. For well she knew that by-and-bye the floods would rise, and the winds would how and beat-upon these preclous human nouses intrusted to her care! And concern and affection of the boys.

The trial days did not delay to come. The boys were growing tall and manly. They were learning to smoke and to taste beer and what more natural than that they should find themselves too large to go to Sunday-school?

I had a dreadful time with those boys for four years, said the teacher, but I could not and would not let them go!" Wise little woman! She was laying

go ! But how did you retain them?

But how did you retain them; Boys at that age are pretty strong." Well, I followed them. As soon as a boy absented himself from Sunday-school I went after him. I had their a boy absented himself from Sundayschool I went after him. I had their
confidence, and they would tell me even
when they did pretty bad things, which,
of course, was a great help. They were
wide-awake, active bors, and wanted to
try about every new thing, and they
did; but I tried to keep along with
them. At one time the formed him
them At one time the formed him
the and the formed him
the formed h

a Bible-class, though I have often trie to do so They seem to dislike th thought of a change."

thought of a change."
And little wonder
So it comes to pass that in a certain
Sunday-school there may be seen a class
of young men, respectful, attentive, absorbed, listening to the low-volceteachings of a slender young woman, as
if they thought her words earried weight
And so they do—the weight of a life
which means carnest purpose and faith
in the work which is given us to do!
Listen: During all those years she
Listen: During all those years she
was a hard-working school teacher, with

Listen: During all those years sae was a hard-working school-teacher, with but a slender stock of health and strength- do draw upon! Yes, she had time to give to her boys, but where do you think she found it? Possibly some of the adornments and cajorments of girlbood had to be given up. Did it

Mysterious Guests.

I had three friends. I asked one day That they would dine with me; But when they came I found that they Were six instead of three.

My good wife whispered, "We, at best, But five can hope to dine; Send one away." I did. The rest Remaining numbered nine.

"I too will go," the second cried, He left at once, and then, Althought to count but eight I tried, were remaining ten.

'Go call them-back i' my-wife implored;
"I fear the third may-go,
And leave-behind, to share our board,
Perhaps a score or so."

The second one then straight returned,
As might have been expected;
He, with the ten, we quickly learned,
Eleven made Dejected,

We saw the first returning; he,
With all the rest, turned round!
And there, behold! were my friends
three,
Though six they still were found

For those of you who yet may find My-riddle too complex,
-Ill say the friends I-had in mind
Were "S" and "I" and "X."

TEMPERANCE BOYS AND GIRLS.

BY W. F. CRAPIS.

I wish to give three reasons why all these boys and girls ought to be on the side of temperance. First, because they know enough about the veils of rum and the meaning of the pledge. Some one who thought boys and girls ought not to sign the pledge asked a little boy, "What does the word 'drunk' mean?" He answered, "Getting crary on purpose." Then he was asked, "What does 'pledge' mean?" He answered, "Getting crary on purpose." Then he was asked, "What does 'pledge' mean?" He answered, "To promise something and the presence of the presence is because men by-and-bye will be incharacter what we get the boys to be now. Bad boys will most likely be character when wicked tyrants were knew, and good boys bad a band of yope, and when they marched they had on their flags the words, "Tremble tyrants, we shall grow up." They included to drive the wickere men. So the presence of the boys and girls. In the presence of the boys and girls. If there were only two temperance people one more every year to be for temperance, and each of them should get one more every year to be for temperance, and each of them should get one more every year to be for temperance, and each of them should get one more every year to be for temperance, and each of them should get one more every year to be for temperance, and each of these metall twould be but thirty years before all the pledge and keep. It, and get everybody clee we can to let rum entirely alone. I wish to give three reasons why all

tener.

"I think so. Six of the ten remain, and I have no mere difficulty in keeping them in Sunday-school. The others have moved away, but I hear from them. All but two are christians, and the two are steady, and seem to be well satisfied in principle."

"But they are men now, Do you still teach them!"

"Rut they are men now, Do you still teach them!"

Yes, I cannot induce them to go into

Wanted.

Boys of spirit, boys of will, Boys of muscle, brain and power, bit to cope with everything-These are wanted every hour.

Not the weak and whining drones Who all troubles magnify! Not the watchword of, "I can't," But the nobler one, "I'll try,"

whate'er you have to do, With a true and earnest zeal; Bend your sinews to the task-'Put your shoulder to the wheel."

Though your duty may be hard, Look not on it as an ill, if it be an honest task, Do it with an honest will.

in the school-room, on the farm, At the desk, where'er you be, From your future efforts, boys, Comes a nation's destiny.

A BOY OF TO-DAY

Julia MacNair Wright.

Author of "The House on the Bluff," etc.

CHAPTER XI.

IN THE WAY OF INVESTMENT.

"It never rains but it pours," said Uncle 'Rias.

Aunt Espey, turning the heel of a stocking she was knitting, said, "That's so. I've noticed it. I've observed, Rias, that 'misfortunes never come singly.' Uncle Jabez made that re-I've observed, singly. Uncle Jabez made that remark when I was a girl, and it came so pat that I laid it up. Your father was drowned, and our cow died, and mother took worse, all in one month. meeting-house burned down, and Deacon Gray died, same year our minister resigned—the one you joined church under. Year our chimney blew down, Sam Jenks' little girl spilled carbolic acid all over my one good frock, and acme boys shot three of my ducks, think-.ng they were wild ducks—city boys they were—ought never to have had a gun in their hands, and didn't know wild luck from tame. Not to speak also, 'Rias, of how you lost your leg, and your bank money, and the farm, all in

the same year."
"Well," said Aunt D'rexy, cheerfuily, "the longest lane has its turning, and I've always noticed that's so. My mother used to say 'it's always darkest just before daylight,' and my father, who was a partic'lar sensible man, had a saying, 'when the tide's full, then it has to turn.' That's true, too, and Uncle Andrew, whatever happened, used to say, calm like, 'the wind don't always blow in one direction, and he allowed that reminded him of a Bible 'ext, 'In the day of prosperity be joy-ful, and in the day of adversity con-

"Yes," said 'Rias, "I mind your Uncle Andrew; he was remarkably powerful in prayer. My, wouldn't he make that old school-house hum some-umes! seemed like he'd bring the walls of Jericho right down about sinners' ears. Another of his sayings was, 'When you've got down to the bottom there ain't no way to go but up.' And once, when a very movin' revival preacner was at our church, he read the Psalm beginning, 'Out of the depths have I cried unto thee,' and he stops short, with the observation, 'Brethren, there ain't no way out of the depths but up,' an' sez he, the heights of Zion overhang the deepest depths any of us can get into; so Oh, that took hold-it took hold tremendous!"

'Yes," said Aunt D'rexy, "I remem-r. I wonder if folks preach quite as powerful now as they used to them

Oh, yes," said Aunt Espey; "the Cospers the same, and the messeng are men all the same, and the preachin' is just as powerful; but, you see, we're o der, and we've been through a good ceal, and we're duller, and slower our s lves; we don't love less, but the stir of youth in us is gone."
Having thus given her version of "the

fault, dear Cassius, is not in our stars, but in ourselves," Aunt Espey knitted, Aunt D'rexy sewed, and Uncle 'Rias s. aped a pudding-stick. The click of the needles, the shirr of thread, and the soft fall of shavings on a newspaper povidently spread on 'Rias' knees, could be heard in the profound silence of the May afternoon.

previous evening to Uncle 'Rias by a man named Simon Fletcher.

Uncle 'Riss had been sitting on the porch whittling pudding-sticks for sale. His stiff patent leg was attetched out awkwardly before him. Heman and Aunt D'rexy were busy in the garden. Aunt Espey and Uncle 'Rias had been calking of Heman, how he wanted to begin at once regular work at carpentry and had no more time to waste, but must find a skilled master, and wages, and constant work, "And whet I ask where's he going to find them?" said

Rins dolefully.
"The Lord will provide, 'Rias," said Aunt Espey, and at that minute the gate-latch clicked, and a big, tanned, kecr-eyed man came in and helped himself to a seat beside Urias. "I is can't place me," he said cheerily.

Aun. Espey looked keenly through her glasses "You're Simon Fletcher. I know you by a twinkle in your eyes," she said. she said.

"Simon Fletcher! Well, Sime; I am glad to see you," cried Uncle 'Rias, slap-ping his hand down on his guest's knee haven't seen you for ten years! But I ain't forgotten you, boy."

The "boy," a burly, bearded man, laughed loudly. "No more I ain't you. 'Rias, things ain't particlar chirk with you, are they? I'm terrible sorry," and Simon Fletcher looked about at the little house, the little shackly barn, the

poor acre, and pitifully laid his hand on the "patent leg."

"They've gone bad," said Urias, sedately; "but they might have gone worse. How've they gone with you?"

"Nothing to complain of," said Simon Fletcher. "I've been blessed in basket and in store coming out and going in and in store, coming out and going in. I've made money, and I haven't lost it."
"Well, I'm right glad of it," said

Uncle Urias.
"I've always said," went on Simon Fletcher, "that if I did turn out any good, it was Uncle 'Rias Sinnet was the making of me. I had the beginning of a bad boy in me."

"Oh, well, you lost your folks early,

Sime."

"Well, yes; so I did. Then Satan is always looking out for boys that are lying about loose, and he went for me.

"There I line 'Rias. how you I haven't forgot, Uncle 'Rias, how you talked things over with me, and offered me work, and spurred me up, and kept me with you two whole years, and Aunt D'rexy was like a mother to me. You gave me a good start in my trade, and We worked a good start in religion. together, Uncle 'Rias, for five years, didn't we? and you gave me a set toward fair, honest, thorough-going work, and it told; yes, Uncle 'Rias, it told. I've done well."

"Won't D'rexy be proud to see you," said Uncle Urlas. "Oh! D'rexy, some

here; here's Simon Fletcher come to see

us !" Aunt D'rexy hurried in to wash her hands and put on her clean apron; then she came to sit on the porch and renew acquaintance with Simon Fletcher.

Going to stop here long, Simon? We'd like very much to have you stay with us; if you could make out with Heman's room, he could sleep in the

shop."
"Oh, thanky. I'll take more'n one meal with you, I guess; but I've put up at the hotel; I've a lot of people to see. I'm here after a home. I'm going to move here; I've taken contracts will keep one two years or better. I reckon you've heard what a jump the town's taken ?

Well, yes they do say old Windle's looking up. I haven't heard the rights of the matter. You tell us how you look at it, Sime, an' if you're comin' here to live!"

"Yes, the town's making a big jump.

Hepburn, old Jim Hepburn, you know, that got rich up among the copper mines, he's left money for a library, and Young Men's Christian Association building, and they are going right up; and Mr. Lind is going to build two houses, one to rent to the librarian and one to the secretary, and I've got the for those a hausas

You don't say so !" cried Urlas.

"Yes, and an architect I've been with in work for five years, he's got the contract for the Library and the Association building, and of course I'm solid with him, and I'll have plenty of the work on them. Then the Kane firm, that was burned out last month, are going to put up their rope-walk here, and I've contracted for that. I'm going at it right away, and three small houses fo. workmen. Then Windle's more than sure to get the Lew Normal School building, the site offered here is far and away the best offer the State has, and to end off-for the present-the Dibbs-The primary occasion of these pro- Canning and Jelly factory has bought all that they did was plain, total discussions was a visit made the land on the west side of the town, and matter-of-fact work. While Heman

their buildings are to go up at once. Things will hum here, 'Rias, hum, I tell you!"

Urias sat confounded. Oh, if he had not lost his leg, if he were the man he was formerly, he too might have shared in this splendid boom that had struck Windle! Sime Fletcher slapped him

on the shoulder.
"'Rias, if I know myself, I'm bread east upon the waters, and found after many days. I'm floating 'round your You picked me up and made a Way. man of me when I was down, and there is no law, as I see, for to keep me from yoking along of you now, and giving you a pull forward! You can't be as spry as you could once, 'Rlas, but there's plenty you can do, I'll be bound, and the folks tell me you've got a boy—a boy to

I have," said Uncle 'Rins with conviction, "and here I sit, worriting and breaking my heart because the boy's bound to be a carpenter, and I didn't see how nor where was a chance to make a good workman of him. It's in him, if he has half an opportunity sime; honest and obliging, qui es, es, big. strong, industrious, and thorough. He begun with me, and I started him well, just as I did you, Sime."

"And I've found the benefit of it, and

so will he. You set me up, and I'll set him up. Turn about's fair play, hey? him up. Turn about's fair play, hey? If he wants to learn carpentry and building, in and out, from end to end and back again, I'm his man, and there's this same hand on it, Uncle 'Rias." Whereupon the two men shock hands,

and Aunts Espey and D'rexy wiped away

some tears. Then Uncle 'Rias called,
"Ho, Heman! Come here, boy!"
Heman, seeing that there was "company" on the little porch, betook him self to the back kitchen to wash off the mould of the garden, brush his hair and clothes, slip on a jacket and a pair of carpet slippers. Folks said 'Aunt Drexy had brought up Heman terribly finniky for a farm-boy." Aunt D'rexy, however, held that "a farm-boy' had every bit as good a right to be nice as a lawyer's boy or a minister's."

Uncle 'Rias was in high spirits whom

Heman appeared.
"Here, boy, here, Heman," he cried, here's Simon Fletcher, that used to work with me before ever you was born. l could tell yen plenty of dittles about him. Hes an A No. 1 first-class carpenter, if I do say so, and he's get more contracts in this blessed town of Windle than you an keep tally of on all your fingers! The boom's struck Windle, and Sime Fletcher's got his suare of boom. That's it, Heman, I'm glad to see you shoking hands with him, you're shaking hands with an honest man and a prime carpenter. What's more he's come here to share work with old friends. There'll be work for me, and work for you, and here's the man who is going to put you through your paces, and turn you out as skilful as they make m. Ain't that so, Sime? Hey!"
"It's so," said Simon Fletcher, and he

threw back his head and laughed. was hearty and happy; he wanted to make other people happy, and evidently he had succeeded, Uncle Rias was nearly crazy with joy, and Heman bloomed and glowed like a big peony. "Come along

Uncle 'Rias stood up. "Come along here, will you, Sime? We've got a bit of a shop, me and the boy. I saved my workbench and my tools, not much else. You can see what work the boy can do. I've taught him thorough as far as he's gone. He won't have much to unlearn; it will be plain sailing with him. He mended up that old ramshackle barn, and he put up all that fence, and that's a pretty good job, when you consider the poor stuff he had to deal with. Now, that frame's a job of his, and I count it neat work. Oh, I'm sharp with Heman, just as I was with you, Sime !"

Thus Uncle 'Rias rattled on in the joy

of his heart.

"Well, I must be going; got my hands full," said Simon Fletcher. "I count on beginning work next Monday—mean ing then. were finished a month ago. Yes, you and Heman be on hand, Uncle 'Rias. Don't seem quite natural for me to be master and you to be man, but I lay out rot to let you feel it."

Then Simon Fletcher went away, leaving very glad nearts behind him, and thus the next day fincle Rias was quoting proverbs and commenting on old times, while for Heman all the world was bright as a June day or a peacock's

While Uncle 'Rias whittled puddingsticks and held discourse, Heman weeded the onion-bed, for these were every-day, commonplace people, and all that they did was plain,

weeded he talked to his Fred, who was fourteen, and generally unoccupied in vacation. To Fred Heman had triumphantly told his goluen expectations in the carpentry line. To Fred the prospect looked less magnifi-

You'll have to work all day, from seven to six, with an hour's nooning. won't you-right hard work, too ?"

"Oh, yes, of course, I'll have to jump about pretty lively, but every man who works at a trade has long hours and hard work, that a the way he makes his money.

"Yes," said Fred, "it makes some difference, of course, if you're working where you're paid for it, not like worrying for home folks and getting nothing for it."

"I don't see it that way," said Heman, "when we were at the farm we all

worked, and we all got what we needed, clothes and living and a good time, you know, out of what we earned. Seemed to me I had as much as any of 'em. Now, here it keeps us all custling round just to get a living, and I would be a pretty kid to growl at my share, with Uncle 'Rias working round on a patent leg, and poor old Aunt Espey knitting and washing laces for folks to earn a few dimes."

few dimes."
"Yes, I 'spose you have to," added
Fred. "Pop says you're a born worker,
"You up for an example." and he holds you up for an example. Lawyer Brace says his Jim's so lar, he's going to ruin 'less he learns to be more industrious, and now you're gone, he's making Jim do the work you did. clean office, and cord, cut, and carry in the wood to home."
"Pooh! that ain't hard, and it sin't

much," said Heman.
"But Jim's folks, you see, don't eat
breakfast till eight, and Jim wants to lie abed till just a minute or so before breakfast. Mom wouldn't let me eat if

breakfast. Mom wouldn't let me cat if I didn't get up early enough to make mysoif real neat, and then Jims so ashamed of working!" urged Fred.

"Ashamed!" cried Heman, more than amazed. "What of?"

"Why, working, that's what he's ashamed of, Jim is. Say, he sneaked up into the office and locked the door and put down the window-shades, you have for feer some upp would see him. know, for fear some one would see him in there working. Made et so dark he could not haif see to get it clean. Then he's ashamed of cutting wood. When he's ashamed of cutting wood. he had wood to cut, didn't he go carry every blessed stick in the barn, and saw and split it there, for fear some of the boys would see him doing it! Brace said it was plumb wicked to be asbamed of honest work, and not ashamed of being idle and lazy and not carning your salt. He says unless Jim gets more sense pretty soon he has to go apprentice some place, for folks that's ashamed to work is likely to land in the penitentiary."

Then Heman thought of the "Pilgrim's Progress," where it was written. I met with Shame; but of all men I have met in pilgrimage, it seems to me that he bears the wrong name. deed, this Shame was a villain, I could hardly shake him out of my company. yea, he would be haunting me, and con-tinually whispering in my ear." So he laughed.

What are you laughing at?" dended Fred. "I guess Jim'il laugh manded Fred. out of the wrong side of his mouth if he gets sent out on a farm or made prentice. Why, Jim's old enough to have se se; he's nigh fifteen."

"Does a boy have to wait to be fifteen to have sense?" asked Heman.

"Some of 'em never has it," said Fred.
"It's like the mumps and the measles. that some boys never catches. What are you going to do with your money, Heman, when you get it?"

Heman shook his head, that plan he

would not tell.
"I know a fellow," said Fred, "that talks large of investments. He says if you invest one dollar you get ten, and your money grows while you sieep-mortgages and things, and so you get rich without hard work-without any work."

"Except earning the money in the first place."

"Oh, yes, I expect you have to earn it

fore you invest it."
"I'm going to invest my time and my muscle in learning house-building, and when I make some money I'm going to be very careful what I invest it in for Mr. Renfrew says there's plenty of glib talkers who live on coaxing people to put money in bogus investments, and then they never see a cent of it again. l'utting it into a bag with holes, the Bible calls that. Im going to be real Bible calls that. shy of investments till I know all about them.

(.o be continued.)

"Be Ye Strong, Therefore."

Be ye strong, O Christian soldiers ! Who are going forth to stand As the vanguard of Christ's army In a distant heathen land.

Be ye strong, and do not waver, Though the parting must be sore. Christ has borne alone its anguish, He is with you evermore.

Are you dreading for your loved ones, More than for yourselves the pain? Trust them with the tender Father, He will turn their loss to gain.

He ye strong to offer gladly On the altar of your Lord, Culture, ease, or brilliant prospects, Ye shall reap a full reward.

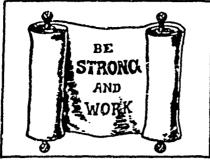
Be ye strong to face the blackness, Coarse and vile, of heathen sin, Christ shall shield you, Christ shall teach

How to pity, love and win.

Bo ye strong to bear the hunger For a well-known voice and face, Parted "for a while," "in presence," Christ is still your meeting-place

Therefore be ye strong and patient, Now his will to do and bear; Privileged with Christ to suffer, Soon ye shall his gladness share. This was the sixteenth year of the re-

turn from Babylon.
3. "Who is left among you that saw this house in her first glory ple in the days of Hangai was finished



in four years. The former temple, more glorious, was destroyed by war sixty-eight years before. Old men who saw eight years before. Old men who saw in memory that building, with its sacred relics now gone, were saddened. Comp. Ezra 3. 12. The former house was the temple of Solomon, not great in size but in splendour "Is it not in your eyes . . . as nothing"—The Jews had not the men nor the wealth to now erect a building like Solomon's, but the prophet thought they ought to have the high re-

solve to do the best they could.

4. "Zerubbabel"—Governor of Judah (verse 2). "Be strong"—In the pur-

the Prince of Pcace. The peace of God passeth all understanding.

HOME READINGS.

God's call to build -Hag 1. Tu. Encouraging the builders.-Hag. 2.

W. The call obeyed .- Ezra 5. 1-5. Th. Opposition -Ezra 5. 6-17.

Enemies defeated .- Ezra 6. 1-12. S. The temple completed.—Ezra 6, 13-22. Su. God's glory.—2 Chron. 5, 11-14.

QUESTIONS FOR LOME STUDY. 1. Past Failure, v. 1-3.

Through what prophet did this word of the Lord come?

When did he receive the message? To whom was the message sent? What three questions were asked? 2. Present Duty, v. 4, 5.

What present duty did the Lord urge? Golden Text.

What two men were especially exhorted? What reason had they for strength and

What was the Lord's promise? Exod.

29, 45, 46, What further promise was now made? What security would God's people then have? Joel 3. 16.

3. Future Glory, v. 6-9. What was God about to do? What would happen to the house of

My lady in gown of silk is arrayed, The fabric soft was in India made, Will she think of the country whence it came,

homes

comes.

the sea.

Will she make an offering in His name, To send the perfect heavenly dress, The mantle of Christ's own righteous-

A Lady.

BY HELEN A. WALKER.

Who carries a Chinese fan in her hand,

But in her heart does she carry a thought

Of her Chineso sister who carefully wrought

Its figures were woven with curious art-I wish that my lady had in her heart

One thought of love for those foreign

Where the light of the Gospel never

To shield my lady from chilling draft

She takes the comfort its presence gives,

But in her heart not one thought lives-

For the comfortless homes that lie over

Is a Japanese screen of curious craft.

Not one little thought—ah, me !-

I know a lady in this land

The dainty, delicate, alken toy, For her to admire and enjoy?

This lady has on her parlour floor A lovely rug from Syrian shere;

To those who are poor and sad and for-



JERUSALEM RESTORED PY NEHEMIAH.

LESSON NOTES.

THIRD QUARTER. STUDIES IN THE NEW TESTAMENT.

LESSON XI.—SEPTEMBER 10. ENCOURAGING THE BUILDERS. Hag. 2. 1-9. Memory verses, 4, 5. GOLDEN TEXT.

Be strong, all ye people of the land. saith the Lord, and work! for I am with you.—Hag. 2. 4.

OUTLINE.

1. Past Failure, v. 1-3.

2. Present Duty, v. 4, 5. 3. Future Giory, v. 6-9.

Time.-About BC 529 Place.-Jerusalem.

LESSON HELPS.

1, "By the prophet Haggai"- Of the parentage of this Hebrew prophet we know nothing. He was probably born in Babylon at the time of the seventy years' captivity. He was perhaps the years' captivity. He was perhaps the first prophet sent to the Jawa after their return to their own land. His aim was to stir up the Jews to proceed with the building of the temple. For about fourteen years the work had ceased. Cyrus, who had given permission to build, revoked his edict through evil advisers who were hostile to the Jews. ascended the throne, and in the second year of his reign renewed permission.

pose to build; more lack of will than ability "I am with you," therefore "be strong." The glory of a temple is not in its walls, relics, stained glass windows, splendid altar, but in the fulfil-ment of the promise, "I am with you." Salvation and sanctification are the

glory of a church.
5. "When ye came out of Egypt"—
The memory of the past is called up to inspire present trust in God.

6. "I will shake the heavens"—The Jews called to mind the giving the law on Sinai, when an earthquake shook the mountains. So great changes coming to the nations.

7. "I will shake all nations"-Political and religious revolutions were at hand The Persian monarchy fell under the military power of Alexander, and other changes took place within two centuries. "The desire of all nations shall come"—Various interpretations are given. There is an outer and inner meaning. Vations shall bring things of value to adorn the temple. But there meaning. 'fations shall bring things of value to alorn the temple. But there is a hint of him who is the desire of nations, of Christ, whose presence in the church is more precious than gold and silver. "I will fill this house with silver. "I will fill this house with giory —As was the temple of Solomon on the day of its dedication.

S. "The gold is mine"—An eternal truth. What we have is to be held as a trust. How often this fact is forgotten!

9. "Greater than of the former"-Because in its clearer light of revelation growing into the full day when Christ came. "Will I give peace"—Christ is

To what treasure did the Lord lay claim?

What would the glory of this temple

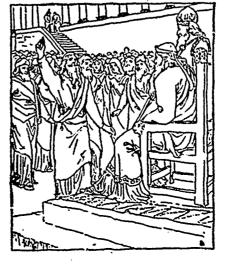
What gift would the Lord there im-What message of peace did Christ's birth bring? Luke 2. 14.

PRACTICAL TEACHINGS.

Where in this lesson are we taught-1. That we ought to listen to God's word?

2. That we ought to obey God's command ?

3. That we ought to trust God's promises?



lorn, To those that know not that Christ is

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