

DEVOTED TO TEMCERANCE, SCIENCE, EDUCATION, AND AGRICULTURE,

## volume xiv., No. i. <br> MONTREAL \& NEW YORK, JANUARY 1, 1879. <br> SEMI-MONTHLY, 30 CTS. per An., Post-Paid.

OUT ON A WINTER'S What is our little girl in the picture doing out insuch a storm as that shown $i_{1}$, the engraving? Her umbrella is a mountain of snow that must be growing heavier every minute from the great flakes that the wind is driving upon it. But she does not seem to mind it a bit as she boldly trudges along and is laughing to herself, as if it were the best fun imaginable. What can she be doing? Is sho going to pay a visit to some friend who lives on the other side of the wood? She would make a pleasant visitor, full of ruddy health and strength, not like those girls who never oan go out withont oatching cold, and who prefer the gas and hot air from their stoves to the pure fresh breeze which is sometimes laden with snow and frost. But well wrapped up by her mother's careful hand, she defies both theese, and is sallying forthto where? Now that is the question. Is she going to sohool ? She does not seem to have any books with her; but she looks like one of those pleasant sohool-girls those pleasant scil parts of to be seon in all parts of Canada and the United States. Perhape she is going to Sunday-school. Those inattentive boys behind her must be her brothers or they would be assisting to oarry her heavy umbrella. They may have her books. Perhaps she is going around to get some subsoribers for the Méssengarr. She looks just like one who would engage in suoh work and do it well. There are few who could resist her pleasant smile and sweet words of recommendation. If that is the case we hope that she will at have to face that otorin on her return. Just now it only assists her along in her work. Happy little girl, she must be when even the torma befriend her! Per-

world, the year 1879 may be one of happiness and prosperity. It has given us great pleasure in working for our readers young and old during the year 1878 ; we hope that this pleasure will be enhanoed in 1879, now begun, and that instead of having fifty thousand subseribers or two hundred and fifty thousand readers to work for, we will have a much larger number, who will also work that the Messenger may be a messenger to their friends as well as to themselves. Once again we wish you all a "Happy and Prosperous New Year."

$$
1878 \text { AND } 1879
$$

Old 1878 has passed away, with his frosty hair and ioy : breath, and young 1879 has been born with the atmos. phere of the dead year around him. But soon Spring will be here, and then Summer, Autumb, and Winter; and 1879, when its length of days has come, will die too. While we cannot be sure that the whole year will be ours, we may make preparations for it ; and it would be well that they should be for a year of useful work. Very muoh may be done in a year when plans are judiciously laid. Every day adds to the store of knowledge and to the capacity for usefulness, and day by day the oharacter should grow stronger and the lives purer. But the foundation must begood. He who builds on a solid foundation has the satisfaction of seeing each stone add to the height and beauty of the structure; he who bulds on a bog must not be surprised to see stone after stone sink out of sight from its own weight. The best foundation for a good and useful life is Christ our Saviour, the Rook of Ages, he who is the same jesterday, to-day and forever.

## OUT ON A WINTER'S DAY.

haps sheis goingshopping; perhaps going to a gur friend in the picture, but to all the readers Others have become its readers later. These party ; perhaps on the way to ohuroh; perhaps just out for a frolic. Whatever it is, she is enjoying herself as she follows the road through the wood. May it be as pleasant all hrough life. We do not confine this wiah to since with increased pleasure. Can we do through life. We do not confine this wiah to aught but wish them a "Happy New Year ?"
have each number learned to like it more and more. These we must wish a "Happy New Year." Some see it now and again-we oannot pase them by, and hope that to one and all
"Then they that feared the Lord spake often one to another : And the Lord hearkened, and heard it, and a book of remembrance was written before him for them that feared the Lord, and that thought upon his name."


Temperance Department.

## THE DRAG OF THE UNDERTOW.

Frank Medairy had a dull headache. Ho had received a case of "Roederer's Imperial" from the city the day before, and he and his
friends had made a night of it. Hence the friends had made a night of it. Hence the
headache and general out-of-sorts feeling in headache and general out-of-sorts
which he comes before the reader.
A young lawyer of more than ordinary promise, Medairy had already made a name in consequence of his successful management of
two or three cases, which, from their peeuliar nature, attracted considerable public attention; nature, attracted considerable public attention; at the bar.
"I don't like this," he said to himself, on cup of coffee to his lips, and tasted the unpala table beverage. It was nearly ten o' clock, and the "hotel coffee" had not improved much
since the eight o'clock breakfast. "The since the eight o'clock breakfast. "These
champagne suppers play the mischief with a fellow's nerves.
He tried to eat, but his palate iound no pleasure in the food that was set before him He must get toned up before he was fit for anything. So he left the table and went
the bar. A nip of brandy did the work.
That's your sort," he said, with inward satisfaction, as he felt the fire exhilaration
ereeping over his nerves, and the dull aching ereeping over his nerves, and the dull aching like a little good brandy. 'Richard is himsel
At the billiard room he met one or two bar for drinks, drawn thither by the gravita tion of an appetite which was beginning to act with a steady but unregarded force. this morning ?" asked Medairy, addressing one of his companions, whose name was
Henderson Henderson.
hadn't put in an appearance yet ""
"His head isn't as strong as it might be."
The other did not reply.
"I'm a little afraid of Bradford," remarked "On what account?" Henderson lifted his eyebrows slightly

A man should know himself-just how much he can bear.,
ss in the response.
"What's the matter Diek p", Medairy grasped his friend's arm and shook him playfully "You look as serious as old Judge Garland in a murder case.
"DoI ", The young man forced a laugh; but it died in a quick silence.
with you
Why not $p$, annoyance.
"You're
dull and moody next morning.'
"Am I ${ }^{\text {P }}$ " He smiled and made an effort to ally himself.

Speaking of Bradford," said Medairy, "do
know, I feel concerned about him. you know, I feel concerned about him. He's a
splendid fellow and full of promise; but he has splead for champagne."
"As you remarked, a man should know
himself just what he can bear," said the third himselif just what he can bear,"' said the third
memember of the party, a young man named Milwood, who had not before spoken. "This is Braford's trouble, I'm afraid. And if him.'
At this speech, a dead silence fell upon the
group. Henderson and Medairy looked at each other, and then dropped their eyes to the ground. Each saw a startled expression in
the other's face. The "undertow!" Its application was too apparent not to be under"The Thide both felt it more than once. "The tide is coming up, and there's going
o be a splendid surf," said one of the young nen, as they were strolling down to the beach, that was now gay with promenade and bath-
ing costumes. "ng costumes.

Who's going in "', asked Henderson
"I am,". replied Medairy, as he removed his
hat and let the cool sea-breeze that was "A dip in the ocean gives me new life. It "A dip in the ocean g.
refreshes me like wine."
"And like wine it has an undertow," said
Milwood; "and both are treacherous." To this remark neither Medairy or Henderson made any reply; the former separating a
few moments afterwards from his companions
and going to one of the bathing-houses.
The day was brilliant, the water warm, the
sea-breeze fresh, and the tide came rolling in
with its great waves that broke and seethed ng the shore. Hundreds of bathers wer $g$ die shore. Hundreds or The scene was
disporting themselves.
of excitement and exhilaration. Medairy, full of excitement and exhilaration. Medairy,
in his bathing-dress walked slowly across the beach, his
depressed.
The fact was, the remark of Milwood about the undertow had, for some reason, taken an unpleasant hold of him. Twioe during his
visit to the seaside this season he had, while visit to the seaside this season he had, while fying itsolf in his thoughts. A resolution to be on guard would have proved sufficient to if it had not been that the fear of another and more dangerous undertow had found a lodgment in his mind-a fear that he was trying losely it clung, and the more it magnified itclosely it clung, and the more it magnined it-
self. He paused as his feet touched the water, and an inflowing wave lifted itself half way up to his knees. But the returning drift was
scarcely perceived, and he moved forward until he reached the line where the surf combed and broke.
As wave after wave struck and went over
him, Medairy felt the old life and exhilaration him, Medairy felt the old life and exhilaration
coming baek, and he abandoned himself to the axcitement of the hour. It was not long before he found himself a little beyond the breakers; but being a good swimmer, a few
strokes brought him nearer shore, and within the line of safety. He felt such a vigor in his arms-such physical power and rorce-such pride in his stro. sense of danger! These were for weaker men !
So, disporting now amid the breakers, and now venturing beyond them, Medairy spent nearly half-an-hour, sustained more by the stimulation of excitement than by normal strength.
tion of exitement than by normal strength.
Sudenly, as he was struggling in a surf that broke unexpectedly over him, while further from the shore than any of the prudent depart, and at the same moment the reflex movement of the undertow struok him with nnusual force, and brre him out from the land. By the time he was able to recover a little
self-possession, to get the water out of his eyes and mouth, and to bring into action his skill as a swimmer, he found himself drifting steadily from the shore, and unable to make
any head against the outmoving current. He ny head against the ontmoving current. He
threw up his hands in sign of distress, and oalled loudly for help; but so long a time
passed before his dangor became apparout, or the life-boat could reach him, that he lost conscionsness, and sank twice below the surthrough the dark water a second time, a strong hand grasped him. But life was apparently "It w

## , was <br> that cursed, treacherous under-

Medairy's three young friends, Henderson, is bord, and his bed, discussing the accident and its well-
nigh fatal termination. It was Milwood who made the remark

Cursed and treacherous! You may well say so," answered Medairy, whose memory
held a vivid impression of that brief struggle in the surf when the breakers threw him from his feet, and he found himself helpless in the grasp of the undertow, which seemed to spring
upon him treacherously in the moment of his upon him treacherously, in the moment of his
weakness. "You see," he added, "I stayed weakness. "You see," he added, "I stayed
in too long. I ought to have known that it was only the excitement and exhilaration of
the bathing, and not my reserve of strength, the bathing, and not my reserve of strength,
that was keeping, me up, and that they could
"There is," said Milwood, speaking with great sobriety of manner, "an undertow more
fatal and treacherous than the one which came so near dragging our friend Medairy to a watery grave. Some of us have felt it; I for one; and it has come near tripping me on
more than one oceasion. To-day I have strength to stand against it. But is there not danger, if I remain too long amid the rush and
excitement of the breakers, that it may fail in some stronger sweep of the undertow, and that I may float out seaward, helpless, and drown?
Such things happen every day; and we know Such things happen every day; and we know
it. There is in every glass of champagne, or brandy, or beer that we take an undertow as surely as in the wave that strikes the shore
and draws itself back into the sea. Yes, we know it, friends-all of us; for we have in-
dulged in too many champagne-suppers, and
bit been to too many wine-parties in the last year discovering the fact. And besides, we see almost daily one and another drifting out from the shore and drowning, while we stand look ing on unable to rescue. A thousand are lost every year in the drag of this undertow to one
in that from which Medairy has just escaped. There, I've said my say, and you must make the floor is vacant. I'll listen and weigh the arguments
But no
force of his utterance
solemn sense of dang
"I think," said Medairy, turning to Hender n, and speaking in a lighter tone, yet still seriously, "that I shall have to beg off from
your champagne supper to-morrow night. I want to study up this undertow business. hasn't a good look.
more, if the rest don't eare, And what' Steele not to send the pipe of Heidseick I that cursed undertow of Milwood's. Never thought of it before. And, to tell the truth, it has given me several warning pulls in the last few months.'
There was present the young man Bradford, referred to in the beginning. He had not spaken doring Medairy's supper on the night be fore, he had indulged in the largest excess, and did not really know when or how he reached his room at the hotel. It was not the first
time that wine had been his mocker; nor the first time a morning's shame and repentanc followed a night's debauch.
"Telegraph !" he ejaculated, as Henderson ceased speaking, and with an emphasis that
drew all eyes upon him. There was no mistaking the signs in his face. He had been in the grip of the undertow as surely as his
friend who lay weak and exhausted upon the bed, and was in almost as much danger o dritting out to sea and drownig as this frien had been a few hours before. His sense of
peril was so great that he felt a shiver run peril was so gre
along his nerves.
"Then we're a

Then we're all agreed," said Henderson, rising. "Tll go at once and telegraph Steele
not to send the champagne. In the meantime you can study up the undertow question, and We mnow the result when I come back." What the conclusion was we are nat study up the question for himself; and so in closing we submit it for his eareful considera tion-only remarking that the undertow of an
indulged appetite sets harder against a man indulged appetite sets harder against a man
than anything else, and comes, sooner or later, to act with an almost resistless force.-Selecter
TWO PICTURES; OR, LICENSE AND NO LICENSE.

In Trimble County, Kentucky, Judge Bartlett, some time ago, refused to license any one though there was a loud cry of opposition, and
remonstrance, he and resolved that through his agency no more ruin to themselves, to their families, and to the people of the county; and what is the hibitionist, there is not a criminal case on the docket of the county, not a criminal in the jail, not a pauper in the county to be supported, county court, though the county town was crowded with people, not a drunken man was seen in the place; good order and good-wil prevailed, and hily intoxicated, to abuse his wife and children.
And now look at the other picture. Anderson County, says the same authority, continues taverns. And what is the consequence there In one week two murders were reported, and
numerous arrests for violence and disorder. numerous arrests for violence and disorder.
Jefferson County licenses; and it has over Jefferson County licenses; and it has over
twenty murders, or attempts to murder, in a year ; and five hundred and thirty-seven arrests in one city in a single month. Pulaski ders in a few months. Scott County licenses and its docket is crowded with offences and crimes. And so in every county of the State where licenses are granted: murders, and children, are reported abundantly; and the greater part of all the county expenses is sons and officers rendered necessary by the offences and crimes committed by men under the influence of intoxicating drinks
And now, which of the two piotures is the fairest ? Which of the two systems is the best ?
It wo one and the same conclusion, that to license the grogshop, is to cause expense ; incite to
outrages and crimes; waste property ; lead to outrages and crimes; waste property ; lead to
cruelty to wives and children; build jails and fill them ; and spread sorrow, and poverty, and disorder, and distress on every side.
In the city of Philadelphia, the city treasurer lately published in the various papers the names of all the whiskey-dealers in the city
who were licensed, calling on them, by this public advertisement, to come to his ofso and coming and pay for their licenses the writer found there were five thousand and ninety-three (5093) licensed grogshops in the city; and the polioe say, that in addition-to
these there are some three thousand $(3,000)$ these there are solling without license, making, in all,
more sell
some eight thousand $(8,000)$ whiskey-shops in
the city-a number which, allowing fifteen the city-a number which, allowing fifteen
feet front to each shop, would stretch in a single unbroken line nearly twenty-four miles Some time ago, Barnum, the great showman,
was in Philadelphia and being a strong tem was in Philadelphia, and being a strong tem-
perance man, he made an address on the pert to a large meeting of citizens the subject to a large meeting of citizens. And in
the course of it, speaking of the immense caused by intoxicating drinks, he is reporte caused by intoxicating drinks, he is reported
to have said, "If they would give him the money spent in Philadelphia in intorim the drinks, he would engage to pay all the city taxes, all the expenses of the palice and courts and prisons, all the cost of keeping the street in repair and of lighting the city lamps, al the expense of sustaining the schools and churches of the city, and would give to every
man, woman and child in the city two neyv suits of clothes every year, and that he would make money by doing it!" To which an intelligent city official said, " hereis no question but that he would not only make money, but he vould grow rich by doing
Let thinking men ponder these facts and statements; let them see what one upright, in-
telligent, inflexible judge can do, and what vast good prohibition can do when fairly tried; and let them ask whether the "hard times" do and evils of intoxicating drinks, and whether the traffic should not be utterly suppressed by he traftic should not be utterly suppressed by
aw !-Illustrated Ohristian Weekly.

## BOY SMOKERS.

It is no secret that many of the most eminent physicians at home and abroad have come to look with very serious apprehension upon
the tobacoo habit, in the form it now so often takes, of excesssive not to say constant, smoking. One need not be a medieal practitioner held properly in check, might be a compara, held properly in check, might be a comparabecome a danger and a curse. Dr. Benjamin become a danger and a curse. Dr. Benjamin
W. Richardson, of London, well known as a medical specialist of high rank, in the course of a recent paper on "Nervous diseases from
Tobacoo," sums up his estimate of the sanitary effect of tobacco, as nsed by his own countrymen, as follows: "Put down the smokers of Great Britain at a million in numbers-there are more than that, but let it pass. Why Englishmen, not one of whom can at any moment be writ down as in perfect heally
from day to day? Why should a million of men beliving with stomachs that only partially digest, hearts that labor unnaturally and The question admits of but one answer-the working living organisms is a national abworking
surdity.
But whatever may be the ultimate verdict bacoo physiologists as to the effect of the toabsolutely no room for debate, mand, there is no difference of opinion, in respect to its evil results when indulged by growing boys.
Without an exception every medical Without an exception every medical writer of any eminence, who expresses himself at all on the subject, gives warning against the use of
tobacco in any form by those of immature years; and common observation sufficiently confirms what the faculty proclaim. Dr. Richardson, in the paper already quoted from,
remarks that the effects of tobacco "are esremarks that the effects of tobacco "are es-
pecially injurious to the young who are still in he stage of adolescence. In these the habit of smoking causes impairment of growth, pre${ }_{*}^{\text {mature }}$ manhood and physical prostration. exes, whose progenitors were finely formed, nd powerful, were to be trained to the early practice of smoking, and if marriage were to e conined to the smokers, an apparently new men would be bred." Investigations carried ou, under Government supervision, among boys on, under Government
attending the polytechnic schools of Paris, he smokers and the non-smokers-the latter being decidedly superior to the former in general scholarship, in quickness of apprehension and in mental force. The poisonous nicotine which constitutes the active principle of common tobacco, and which in a confirmed adult moker is met and to some extent neutralized by the natural resisting forces of the maturod human system, lay forming nerve issues of the young and does its mischievous flesh, pasty complexion, shambling flably flickle appetite, dull comprehension, lack gait, flickle in things and premature ripeness, like that of a diseased apple, are among the signs of injury carried abont by thousands of Americar boy-mokers who are striving to show themfoolish children. That the practice of smoking is fast increasing among the boys of towns and cities, and that the age at which the habit is taken up is rapidly approaching the o one who walks the streets -and especially the alleys-with his eyesopen.--PhiladelphiaTimes.


## LIGHTNING

The safest situation during a thunderstorm is in the midst of a wood, particularly
if the neighborhood of the tallest trees be avoided. In such a place of shelter the traveller may take refuge in full assurance that he will there be effectually shielded from harm.
The greatest risk of injury from lizhtnin is The greatest trisk of injury from lishtning. is
undoubtedly incurred by persons travelling undoubtedly incurred by persons travelling
across a wide and very flat plain, beoause in such a situation they are the only elevated
objeots. To lessen the risk, which may here objeots. To lessen the risk, which may here taken of whatever undulations of surface ma exist to keep upon the lowest ground. N
doubt the prostrate position would in thes
circumstances afford erect. It happens not unfrequently that animals are killed by lightning under a tree to which
they had betaken themselves for shelter. these cases the tree is struck partly in in quence of its isolation and partly on account Usually there are several and often many o them a asembled together, huddled probably by terror into contact one with another. The
air, heated by their bodies, rises above them air, heated by thoir bodies, rises above them
laden with moisture, derived mainly from their breath. Who has not noticed the cloud of rapor that in the carly morning and in
certain states of the weather hangs over a cortain states of the weather hangs over a
flock of sheep or a herd of kine? The column of moist air, ascending through the branches of the tree toward the cloud, offers, in conseof water, a favorable passage for the electricity A herd of cattle under a tree is thus exposed the open country they are less secure from in-
jury than human beings, who cannot affect the atmosphere in a like degree
The danger from lightning in a dwelling used in buildings ery sith the exele excertial of the metals, very bad conductors, and tho
form of a house is not that which is farorable form of a house is not that which is favorable
to the reception of an electric charge. Towers and spires, the latter eetpecially, possess that
form ; but these structures are nearly always protected by conductors affixed to them. It
has been suggestod that chimneys may, through the oonductivity of thoir soot lining, with moist earth is interrupted below the firoplace, the influence of the soot in dim hising around the roof of which there is a system of water-pipes reaching to the ground is very efeetually protected. The timid may put their fears to rest by affixing a conduetor to the highest chimney
The risk of personal injury from lightning to the occurrence of accidents are few, and of such a nature that the combinations requisite
for their fulfilment cannot often taken place There are but two situations in which dange is to be apprehended-namely, on the portions
of a flat district that are destitute of trees, standing in a spot that is not dominated at a short distance by higher ground. But even here the danger is not necessarily certain, fo ably discharge to the ground.-Harper's

## OPTICAL EFFECTS OF INTENSE HEAT AND LIGHT.

The following facts have lately come under my o
place
Wh
29th, I handed the the eclipse of the sun July "heaters:" He at once told me he could see as well with the naked eye as with the smoked
glass. I then tried another "heater" at once repeated the same statement," I the went to the rolling mill and tested every
" heater" at his furnace. They all told the same story I hunted up every "heater" in
the town except two (who were not found) over twenty in all, and every one declared $h$ as well or better with the and all its phase took the precaution to test each one by him self, told him nothing of what I expected, or
of the testimony of others. I made no sug. of the testimony of others. I made no sug.
gestions to any of them, but let eaoh toll
his own story his own story. All told the same tale; one glass was upside down from what they saw
with the naked eye. They would desoribe
many peouligrities
seen by others with the aid of the glass. It
should be remembered that the "heater" has should be remembered that the "heater" has
to see his iron in the furnace while it is enveloped in a flame whose intense glare prevent oped in a tlame whose intense glare prevents
unskilled eyes from seeing anything, an education of the eye peculiarg to thits class of work ers, as no other class of workmen

I noticed as soon as the eelipse had pro gressed some time that I became nervous: I observed the same fact in many others about
me. My wife at home did not thenk of th phenomenon at first, but became so that she had to rush out of doors; she then
saw the eclipse for the first time. I found this nervousness more in women than among men, chiefly in persons of debilitatod frame such as convalescents. Is this magnetic ? In accordance with your request, I repeated the experiment of Eriesson, and submitted spheriaal piece of iron, eight inches in diamecarried to an almost melting point, withdrawn from the flame and placed on a stand. It had the appearance of a disk at all distances tried up to over 100 feet. As seen by Mr. Hughes the chief engineer of the mill (one of the mos and others, it was perfectly flat. ' The convexity did not appear; it was, while in this state to all appearance no longer a sphere, but a disk As the iron cooled off, it resumed its original appearance of a sphere. Our mill men were they had preen by this phenomenon which now had never observed. - Joshlua Thorne, MI.D. in the Kansas City Revier
A New Elastic Gux, - A rival to India rub ber and gutta-percha has been found in a new elastic gum which has been named Balata.
This is the milky sap of the bully-tree that This is the milky sap of the bully-tree that
flourishes on the banks of the Orinoco and the Amazon in South America. The operation of winving the gum is similar in every respect to that employed with caoutchouc and gutta-
percha. It resembles gutta-percha so elosely in its general properties that much of it is shipped from Guiana and sold yearly fo superiority. It is tasteless, superiority. It is tasteless, gives an agreeable percha, is tough and leathery, is remarkably It becomes soft, and may be joinol pereha pieco, like gutta-percha, at about 120 degrees heit before mel ing (hisher th It is completely soluble in benzola and ca-
bon disulphilo in the cold. Turpentine di
solves it with the application of heat, whi solves it with the application of heat, while
it is only partly soluble in anhydrous aleohol and ether. It beoomes strongly electrified by
friction, and is a better insulator of heat and lectricity than gutta-percha, which accoun tric and telegraphic uses. Caustio alkalies and
and concen
it; but
attack attack atlosely it as they do gutta-par Polytcchnic Review.

Effect of Gaglight on the Eyms.-The Ninister of Instruction has recently the eye. The conclusion arrived at in this repll-known thesult of frequent conferences wit follow a moderate use of gas, if the direct vented. For this purpose sereens or shades ar employed. Very grave objections, however, evils affecting the eve being traceable to them Their use, it 18 said, inevitably tends to blindfeets. The milkytion, and other harmful ef fects. The milky-white glass shade is the best,
as it distributes the light, and has a gratefu asfect on the eye. The burner should not be
effect effect on the eye. head, burner should not be
too close to the head, as congestions of the forehead and headaches result from the radiated heat. The glass plate below the gas, emthe the purpose, as it causes an equal distribution
of the light,-necossary where a number are working at one burner,- prevents the radiation of heat, and tends to a steady illumination by cases of highly-inflamed eyes, dark blue ailobes can be very beneficially employed. With precautions of this kind, no evil effects from the burning of gas need be feared.-Boston Journar of Chemistry.

as incombustible as table salt; but if a smal quantity of it be placed in a short paper tub
and blown over the flame of a candle in and blown over the flame of a candle in
cloud, it will burn with a flash like gun powder, affording a good illustration of the bonacoous dust is mingled with a certain proportion of air; and shows the necessity of reliable means for the removal of such dust from flour mills, and other manufactories where it is liable to accumulate. There seems to be good ground for supposing the recent mills at Minneapolis, Minn., were due to the
An Unexpected friend to man has been dis-
AN UNEXPECTED friend to man has been dis-
overed in a kind of animalcula engendered by sewage, which prevents the decomposing Mr. Angell, the public analyst for Hampshire having examined the sewage-polluted fluid in houth examined the sewage-polluted fluid in the suspended matters are thickest there is oing on a ailent destruction of the foul maters, through the agency of millions of the minute creatures, by some held to be of animal, but by Mr. Angell believed to be of vegetablo origin. On examining the muddy fluid through a microscope, it was found to contain myriads of little brown organism8, surrounded was found to bo active in its movements and of peculiar shape, being furnished with a belt of cilia round the centre of the body, and
with a long transparent and very flexible tail. After death, these tiny atoms give off an odo miliar to that of sea-weed, and chango to green color. During life they evolve bubbles from the effects of the decomposing matter on which they themselves feed. It is a pity, seware, should stand so polluting rivers witt self-developed scavenger.
Lockport, N. Y., is trying the experimen
heating buildings by wholesalo. Accordin to a local paper, a large school building, the the same building, and forty large dwellinge are all heated by steam made in a single boiler five feet by sixtoen in size, and beside this two mile frgines, one of them more than half from the same boiler. street mains have been laid, extending through fifteen streets and supplied with steam at a pressure of thirty pounds to the inch. Th
total space warmed by this single boiler i ator of this system claims to have proved that a distriet of four square miles can be economi cally warmed from one central point. Steam ing and lied may be us)d for warming, cook ngines laundry purposes, running of steam Great Great reduction of expense, avoidance of in
conveniences and danger from fire, are some of the advantages claimed for the new system. -Watchman.

The Statement has been made by a Sheffield England) physician that the fork-grinders ife thanen as probably mere fatal to human cording to this authority there are generally in which this industry is carried on the and the unst which is created, composed of fine particle of stone and metal-the grinding being always
performed on dry stone- rises in clouds, and pervades the atmosphere to which the operatives are confined. The dust, which is thus every moment inhaled, gradually undermines he vigor of the constitution, and produces by difficulty of breathing lungs, accompanied ing of the animal frame, often at the early age of twenty-five ; and the average longevity of fork-gr
years.
Oatmeal, Cracked Wheat and similar boiled reakfast dishes often become more or less inYanzee style. They are soft and " easily, and are shovelled or spooned into the somach, with no delay in the mouth en route. They need mastication as really as beefsteak
does-not to save one from ohoking (which many people seem to suppose is the sole reason for chewing), but to mix thoroughly with
saliva, which is a digestive agent, and not a mere lubrioant to expedite the passage of dry
food down the cosophagns.--Boston Journal of Ohemistry.
Dr. Loring, in discussing before the New York County Medical Society the serious question, "Is the human eye gradually ohanging its form under the influence of modern civili-
zation ?" confirms the opinion, so far at least as short-sightedness is concerned. Constant
study, now incidental to the lives of so many, as, he says, a tendency to engender this
erangement of the eye, and it it often
ransmitted to descendants. In his opinion,
smitted to descendants. In his opin
ar-sightedness is a disease of childhood.
of Glasgow, Scotland, lately read a paper describing numerous cases of ear disease, traceable to sewer ges, which had poisoned the air
of houses in which the patients resided. He believes this sort of poison to be a very frequent ause of deafness.
The Russian Baptists who have been three years in prison at Odessa, for promulgating quitted, to the great joy of the spectators at he trial. The Attorney-Genoral had demandSiberia the exile for three years to the mines of Siberia.

## D OMESTIC

To Cure Mildew.-Wet in rainwater : rub the spots with soap and chalk; lay in the sun
and dew two or three days and nights. The spot should be thoroughly rubbed with the Macaroni Sour.-Boil
Macaroni Soup.-Boil a couple ounces of maccaroni (broken up in convenient pieces) in a pint of stock free from grease, to which
add a good pinch of salt. When cooked (ten or fifteen minutes), drain them and put (them in the soup tureen containing one quart of well-flavored clear stock, boiling hot. Grat Farmesan to be handed round at the table
The Good qualities of Brown Brbad. Good brown bread supplies in itself the nour-
ishing properties of many kinḋs of food. contains albumen fibrine, gluten, and phos phate of lime; it makes bone, muscle, blood and tissuo. The wandering Arab lives almos entirely upon such bread, with a few dates as in his part of the world, but because he feels need for it.
Light Paste for Tarts,-Beat the white of nogg to a strong froth, then mix it with a pound of fine flour into a हtiff paste; roll it ery thin, then lay the third part of half it with some flour left out at first, and roll it up tight. Roll it out again, and put the same proportion of butter : and so proceed till all be worked up.
Aduuterated Bread. - The well-to-do, who patronize fancy bread at fancy priees, are reated to as much adulteration in their flour as the poor; their breakfast-rolls are whitened with alum, which is an astringent, hindering
the digestion. The rich, however, have only the digestion. The rich, however, have only wheaten; for pure wheat yields a grayish sisted upon, they oan be obtained only at tho expense of quality.
Surprise Pudding.- Ono cup not quite full of sugar; two cups of flour; four eggs; two
full teaspoons of baking powder ; a little salt and fresh lemon. Break the eggs in an earthon dish without beating; pour over these the sugar ; sift in the flour and baking powder; first stir and then heat all well for ten minutes. Bake in well-buttered oval tin, in pretty quiek oven (it ought to bake in twenty minferred.
Potato Pudding.-Fight potatoes; ane ourth of a pound butter; one gill of milk; a stiff batter; a little salt. Be sure to mash the potatoss through a colander to make smooth; flour ine inside of a pudding-bag, boil incessantly two hours; plunge the bag for a moment in cold water before turning
out the pudding. Serve with maple syrup, or out the pudding. S
sauce, as preferred.
Maxing Coffes.-The axt of making good First of all, it shovild be freshly two things. next thing is to draw out the full strength and aroma, and at the same time preserve the fluid perfectly clear and free from grounds. On the continent it is boiled for a short time, but in England it is usually soaked in water kept as near boiling-point as possible. Tho
French are generally allowed to be the best coffee-makers in the world, and they allow on Two pots are used in the makingul of water Two pots are used in the making. Into one and allowed to remain 4 the ground coffee, it is poured off as clear as possible. The water for two then boiled with the romainin mixed together A shred of a firon or a littlo vanilla, is often added, and to make the grounds seter thalt a oupful of cold water is sprinkled tom, carrying the grounds with it. Coffee may be claritied also by adding a shred of
isinglass or add the white of an egg. The
great fault of English coffee-making is the failure to draw out the full strength, and this water, which has not reached the boiling point,
or the too great haste with which the infusion or the too great haste with wh
is made.-Cassell's Dictionary.

JACK THE CONQUEROR
Or, Difficulties Overcome.
BY MRS. C. E. BOWEN.

## (From Children's Friend.)

chapter iil.-(Continued.)
Why, that will be quite grand payment," said Jenny, "though I'd have done your job without, as soon as not. However, it won't hurt you to gather me a few cresses now and then; and as for the sticks-'twill make me feel almost like a lady to have them brought to my hand every day, and my poor old back will be thankful for a holiday. Bring the clothes to me this afternoon; here's plenty of cloth to make a good job. I see they are the very same bits I cut off when I made them. But what's the matter, child? Why do you look so miserable like, all of a sudden?" For Jack's face had suddenly changed from its bright, sunny look to one clouded with dismay. What should he do whilst his clothes were being mended? He had no others to supply their place. Another difficulty! He told Jenny his trouble, but the cheer ful body bade him take courage; they would manage. "I'll stitch away all the quicker," said she "you'll just come and sit down with me in your shirt while I do the trousers; it will not be the first time I've had a little boy to care for; and Jenny heaved a sigh to the memory of the blueeyed lad about Jack's age whom she had buried beside her fother more than thirty years ago.
But Jack did not notice the sigh; he was thinking that matters grew worse and worse. He was obliged to confess to Jenny that that plan would not do, for the simple reason that he had no shirt to sit in.
" No shirt! and does your aunt let you go about with nought under these rags?" exclaimed she, indignantly; "poor as she is, she might do better for you than that. However, I won't be going on to make you discontented with her, and we'll contrive : you shall just pop yourself into my bed whilst I work; 'twill cheer me on to see your merry face peeping out."
"Difficulty the secind conquered," thought Jack, as he ran home to dinner; " but I do wish I had shirts like other boys."

## CHAPTER IV.

Punctual to the time Jenny desired him to come, Jack made his appearance in her room, and found her ready to begin her work. He had had time to run down to the water-cress pool and gather some fine water-cresses, which he brought her in a little basket he had twisted together with some green rushes.
"Payment beforehand with you, I see," said the old woman, smiling. "Now then, off with the


NAMES OF THE ROYAL FAMILY. 1. Prince Frederick William Louis of Hesse, K. G. 2. Prince Frederick William Victor Albert of Prusiai. 3. Princess Frederika Albert John Charles Frederlc Alfred George of Schleswig.Holstein. 7. Frederick William, Imperial Crown Prince of Germany and Prussia, K. G. 8. Prince Christian of Schleswig.



trousors, child, and into the bed; assume in her hands. But five "that you are your own master; better
there's not a minute to lose if I'm to have them finished to-day."

Jack did not find lying in bed quite so agreeable a way of spending an afternoon as lolliny on his back in the sunshine, or climbing trees to peep into squirrels' and birds' nests. However, it was some amusement to watch Jenny cutting the pieces of cloth and fitting them to the holes in the trousers. She was dexterous and quick with her needle, and he was amazed to see how respectable an appearance they were beginning to
o'clock came, which was her time far you should be going to school for tea, and they were not finished. like other children."

* You shall have your tea with me this evening," said she; "your aunt won't care, I'm thinking."
" Care ! no, indeed," thought Jack; "she will only be too glad to be rid of me;" and he gave Jenny to understand that he was quite his own master as to where he went or what
he did at present, though he was to he did at present, though he was to enough.
"More's the pity," said Jenny him to read, and at last actually

She had unconsciously touched on a tender subject. Jack could not resist telling her how great was his desire to learn to read, but that his m aunt would not hear of his going to a school; and then, as Jenny listened pl to him with great interest and sym. Sa pathy, his heart warmed towards her pe more and more, till he told her his plan of getting Mary Naylor to teach him to read, and at last actually
confided to her his grand secret (not


HILDREN AND GRANDCHILDREN.
 infess Royal of England, and Imperial Crown Princess of Germany and Prussia. 15. Prince Leopold, K. G. 16. The Marquis of Lorne, K. T. 17. Prince Albert William Honry of 21. Princess Elizabeth Alexandrine Lonise Alice of Hesse. 22. Princess Victoris Alexandrina Olga Mary of Wales. 23. Princess Louise Victoria Alexandra Dagmar of Walas.
ant Duchess of Edinburgh). 27. Alexandra, Princess of Wales. 28. Prince Albert Victor Christian Edward of Wales. 29. Prince Alfred. K, G., Duke of Edinburgh. 30 . Princess
 ice or England).- 32. Princoss Maria Vietoria Feodore Leopoldine of Hesse.

Vet twenty-four hours old) of his bit of soap hidden under the willowtree which he bought with the money the gentleman had given him The pocket-comb also was produced out of the jacket pocket, and duly admired, though Jenny asserted it was a penny too dear, as there were plenty in Stedwell market every Saturday just as good for twopence.
" You laid out your sixpence well, dearie, though," she said; "and if What the gentleman said makes you want to be a clean, industrious boy,

## he will have given you more than

 your money's worth."He said he was a poor boy once," said Jack, "but that he got on because he was resolved to, and that I might get on too, if I learnt to conquer difficulties. I wonder if I could ever come to be such a gentleman as he looked.'
"Don't be wondering whether you can ever be a gentleman," replied Jenny, " but make up your mind to become a useful, honest man, doing your duty and work in
you'll be as happy as any gentleman in the land.
Jack thought it seemed very queer to be lying in bed taking his tea when he was as well as he ever had been in his life, but on the whole he thoroughly enjoyed himself. It was something so new and delightful to have any one talking to him so kindly, and interesting herself in his concerns, as Jenny Fowler was doing. When, an hour or two later, she pronounced his trousers finished, ho felt almost sorry to go home,
come again in the morning to have his jacket done. He did not forget to go into the fields to hunt for sticks. By nine o'clock he ran to Jenny with a nice-sized bundle of them under his arm.
Jenny went to bed later than usual that night. She sat thinking for some time after she had spelt out her verse or two in the Bible, and then she busied herself over the contents of a square deal box. She was generally asleep by eleven o'clock, but that hour found her still at her needle, and it was nearly twelve when she laid aside her work, and sought the pillow on which little Jack's head had been lying all the afternoon.

By twelve o'clock next day the boy's suit was finished-mended as well and thoroughly as possible. Patches abounded, of course, but there were no holes, and a little brushing and sponging had done wonders towards a better appearance. Jack capered about with delight, and thanked Jenny again and again.
"After a time," said he, "I shall perhaps find out some way of getting shirts and shoes. When I have them, I will ask Mary to begin and teach me to read. Two difficulties I have get over already."

Jenny went to her box, and took something out which was folded up in a checked pockethandkerchief. Undoing it, she showed him two coarse but good blue and white shirts, about his own size.
"Look here," she said; "these belonged to my own boy once. l've treasured them up for thirtythree years come next Lady-day, for that was when God took him from me. Many a time I've thought 'twould be wiser to do something useful with them, rather than let them lie in the box idle, just for me to look at sometimes. But now I think 'twould be a sin and shame in me not to give them to you, and you wanting them badly; so last night I let them out in the neek and round the wrist, for you are a bit stouter than my boy was. Take them home, lad: they're yours now."
She would not listen to his thanks, but gently pushed him to the door, telling him it was time to go home to dinner. Then she turned and sat down to her own, but she did not eat much that day. She had done more than merely give Jack two shirts that she could never want herself, though apparently this was all that her gift to him comprised. She had made a sacrifice of her teelings. A lonely life had been her portion for many years. Her boy, her only child, had been cut off from her by a terrible accident. The quarries had been blasted, which were then just begnining to be worked. The child had not at, tended to the signal given for leaving the place. He was amus-

JACK THE CONQUEROR Or, Diffloulties Overcome
by mrs. C. E. bowen.
(From Children's Friend.)
Hapter Mir.-(Continued.)
"Why, that will be quite grand payment," said Joun job without, as soon as not. However, it
won't hurt you to gather me a ew cresses now and then; and as for the sticks-'twill make me
feel almost like a lady to have feel almost like a lady to have
them brought to my hand every day, and my poor old back will
be thank full for a holiday. Bring he clothes to me this afternoon
here's plenty of cloth to make a good job. I see they are the very
same bits I cut off when I made ame bits I cut off when I made
hem
hild? But what's the matter, rable like, all of a sudden ?" For
Jack's face had suddenly changed Jack's face had suddenly changed
from itt bright, sunny look to one clouded with dismay. What
should he do whist his clothes were being mended? He had were others to supply their place.
no
Another dififulty : He told
Ine his Another dificulty He the cheer
Jenny his trouble, but the
ful body bade him take courare; hey would manage. "IIll stite
wayy all the quicker," said she "you lll just come and sit down
with me in your shirt while I do with me in your shirt while I do
the trousers; it will not be the
first time I've had a little boy to are for, and Jenny heaved ${ }^{\text {a }}$
aigh to the memory of the blueeyed lad about Jack's age whom
she had buried beside her father more than thirty years ago.
But Jack did not notice the sigh, he was thinking that mat-
ters grew worse and worse. He
was obliged to confess to Jenny was obiged con would not do, for the simple reason that he had no
shirt to sit in.
"No shirt! and does your aunt "No shirt! and does your aunt
let you go about with nought
ander these rags?" exclaimed she, ndignantly; " poor as she is, she night do better for you than that. However, I won't be going on to
make you discontented with her, and we'll contrive: you shall just pop yourself into my bed whilst
I work; 'twill cheer me on to see your merry face peeping out."
" Difficulty the secind "Difificulty the seccnd conquered," thought Jack, as he ran
home to dinner; " but I do wish
I had shirts like other boys." chapter iv. Punctual to the time Jenny de-
sired him to come, Jack made his appearance in her room, and
oound her ready to begin her
He
found her ready to begin her
work. He had had time to run
down to the water-cress pool and
gather some fine wresp pool and
which he brought her in a littles
which he brought her in a litte
basket he had twisted together
with some green rushes.
"
with some green rushes.
"Payment beforehand with
bien
", I I see,", "said the old woman,
yoill
miling. "Now then, off with the


QUEEN VICTORIA WITH HER CHILDREN AND GRANDCHILDREN.
 $\frac{x}{6}=2=2=2$
ousors, child, and into the
 here's not a minute to lose if I'm to o coclock came, which was her time far you should be going to school of soap hidden under the willow- your money's worth."




 However, it was some amusement to of me," and he gave Jenny to under- school; and then, as Jeny listened plenty in Stedwell market every
watch Jeny cuting the pieces of stand that he was quite his own to him with great interest and sym. Saturday just as good for two.
colth and fitting them to the holes in master master to to where he went or what pathy, his heart warmed towards her pence. etronsers. She was dexterous and he did at present, though he was to more and more, till he told her his "You laid out your sixpence well, you can ever be a gentleman," re
 mazed to see hew respectable was go to wo hor in his life, but on the whole he
horoughly enjoyed himself. It was thoroughly enjoyed himself. It was
something so new and delightful to
have any one talking to him so have any one talking to him so kind-
ly, and interesting therself in his
concerns, as Jenny Fowler was



















 get orera aready
Jenny
went to to her box, and
and













 mad ronad the wrist, for yon are
abit stonere than my boy was.
 She would not listen to his
hanks, but gently pushed him to hanks, but gently pushed him to to go home to dinner. Then she
turned and sat down to her own. turned and sat down to her own,
but she did not eat much that but she did not eat much that
day. She had done more than
nerely give Jack two shits nerely give Jack two shirtst that
she could never want herself,
thoughapparently this wasell houghap never want herself, admade a sacrifice of hised teelings. She
A lonely life had been for many ife had been her portion. only child, yars been cut off from her by a terribleen, acident oft. from
quarries had been blester were then just begnasted, whing to be
worked. The child hat to be worked. The child had not at,
tended to the tended to the signal given for
leaving the place. He was amus
ing himself under a large ornhanging stone ; it fell upon him, and he was found lifeless. His mother bore her grief with a calmness proportioned to its great depth. Her neighbors believed her stunned, and then, secing the calmness continue, they thought how well she had got over her trouble. But they did not know that in some minds grief can never find utterance, and such was the case with Jenny's. She nursed hers silently, but far too tenderly for her own happiness. Even when many years had fled. when old age adranced, and when the memory of her dead boy might be supposed to be weak and faded, he was still remembered with undiminished love, and his little possessions were treasured in the deal box, from force of habit, which had almost grown into an affection in itself. Those two checked shirts he had worn up to the day of his death, so now it can be better understood why we called it "a sacrifice of feeling;" when she made up her mind to give them to Jack.
(Ti, be Continued.)


The Family Circle.
COMFORT
by caroline may.
"Casting all your care upon Him : for He careth
or you."-I PEFRR 5:7.
He cares for thee, He cares for thee,
Then why these blinding tears, Then why these blinding tears, With palpitating tears?
Why griave because Ho wills that thou, griave because Ho wi
Bereft, forsaken, lone,
Should miss for aye their sheltering lov
That once was all thine own?
Or why cast down becanse thy plans,
Thy purposes for good, Fail of the purposes for good, of the ends thou dost desire,
Or are misprized, withstood?
He cares for thee, He will not scorn
Thy unsuccessfulplans;
Each pure, unselfish aim He see
Each secret motive scans.
He cares for thee ; He will not fail Himself to mark the way
Thy feet must take; or point the task Thy hands must do to-day.
He cares for thee ; He will not leave The heart that trusts in Him, To desolation and despair,
Along life's shadowe dim

Marvel it is, that He should care, For in thee there is nought Or elaim His tender thought.
No claim-but that He came to save,
The saddest and most sinful soul Of all that sojourn here
Then cast on Him each grief, each eare, And think not one too small
To roll upon His sovereign love
That weighs and measures all
$Y$. Observer.

## THE GIRL WHO SAVED THE GENERAL.

## by charies h. woodanan.

Far down the Carolina coast lies the lovely island of St. John, where stood, one hundred years ago, a noble brick-buil mansion, with
lofty portico and broad piazza. Anoient liveonke, trombling aspens, and great sycamores, oake, trombling aspens, and great sycamores,
liter b wee aver it to keep off tha sirn,
and beds of flowers, spacious walks played denly full upon tho river, or ruuning out of sight in the deep woods.
The owner of this place was Robert Gibbes. With his beautiful young wifo he kept an open hall, and drew to its doors many of the great and noble people of the times; for he wa wealthy and cultured, and she had such charming manners that poople loved her very pres. once. The great house was full at all seasons.
Eight children had already come to this good Light children had already come to this goor
couple, and seven little adopted cousins were their playmates-the orphan children of Mrs. Fenwick, sister to Mrs. Gibbes. He himself Fenwick, sister to Mrs. Gibbes.
was a cripple, and could not walk.
But in those troublous times it could not al ways remain "peaceful.' In the spring of board. Genceal Prevost marched up from Sivanuah and laid siege to Charleston. Hearing that General Lincoln was hastening on with his army, he struck his tents in the night, and
was retreating rapidly toward Savannah erossed the Stono Ferry, and fortified himsel
treat" had been captured by the British, they determined to rescue it from the onemy. Two large galleys were immediately manned and equipped and sent to the plantation,
orders not to fire upon the mansion. orders not to fire upon the mansion. Sailing noiselessly up the Stono River, at dead of night, the vessels anchored abreast the plantation. Suddenly, out of the thick darkness burst a flame and roar, and the shot came crashing through the British encampment. Mrs. Gibbes whas in great distress. She knew not, at first, whether it was an attack by friends on the camp, or an assault on the house
by the enemy cease their wailing and dress themselves. ease their wailing and dress themselves.
Then her husband and the children were preThen her husband and the children were pre-
pared; and, while the cannon bellowed in pared; and, while the cannon bellowed in
quick succession and the noiso around the quick succession and the noise around the
house grew louder, the father and mother house grew louder, the father and mother
consulted what was best to do It was now evident that the attack was by their own friends, and its object was to dislodge the enemy. But Mr Gibbes did not know that
the house would not be fired on, and he advised instant flight. He was carried to his


## JAOK IN BED WATTING FOR HIS SUTT.

on John's Island, as the island of St. John's chair, and the whole household sallied forth was often called.
For weeks now the noise of musketry and heavy guns destroyed the quiet joy at "Peace-
ful Retreat." The children, in the midst of ful Retreat. The children, in the midst ond suddenly grow still and pale. The eldest daughter, Mary Anne, was a sprightly, courageous girl of thirteen. She had the care of dll the little ones, fcr her mother's hands were full, in managing the great estate and caring for her husband. The children never played now in the park, unless Mary was with them, and when the frightful noise came through the trees, they ran to her as chickens to a mother's wing.
After a time,
After a time, the enemy determined to take British and. Hessians quietly captured the British and. Hessians quietly captured the landing one midnight, and areeping stealthily house. At day-break; the inmates found hemselves prisozers.
John's Islant was less than thirty miles flom io tho cig hear I that "American of-
from a back door.
No one was sufficiently protected from the rain. Little Mary had the hardest part, for nearly all the children were in her care. The walk bus deep. Some of the little ones could be carriedtimes two, in hary having always one, somevants were near her, but none of them seemed to notice her or her burdens. The last horse had been carried off that very day: there was Soscape but on foot.
Suddenly, a ball came crashing by them through the trees ! Then a charge of grapeshot cut the boughs overhead. They were evactly in the range of the guns! It was there was no had taken the wo it was too late to turn back. aloud on G. In her agony, the mily. Mary hugged closer the child in her arms, and trembled so she could hardly keep up. The Americans were pouring their fire into these woods, thinking the enemy would seek refuge there thinking the enemy would seek refuge there.
The wrotohed fugitives expeoted every mon
ment to be the last. On they pushed through
mud and rain and screaming shot
Soon they fuund they were getting more out of range of the guns. They began to
hope ; yet now and then a ball tore up the trees around them, or rolled fearfully across their path. They reached one of the house where their field-hands lived, with no one hurt; they were over a milo from the man sion, and out of range. The negroes said no shot had come that way. Thable to flee fur ther, the family determined to stop here. A soon as they entered, Mrs. Gibbes felt her strength leaving her, and sank upon a low with terror and exhaustion, thened, trembling with terror and exhaustion, the family gath-
ered around her. She opened her looked about. She sprang up wildly. eyes and ooked about. She sprang up wildly.
The little girl turned. "pale, and moaned "Oh, mother ! mother! he's left ?" She broke into crying. The negroes, quiekly sympathetic, began to wring their hands and wail.
"Silence!"" said Mr. Gibbes, with stern but trembling voice. The tears were in his own eyes. The little child now missing was very dear to them all, and, moreover, was deemed a sacred charge, as he was one of the orphan children of Mr. Gibes's sister, intrusted to him on her death-bed.
The wailing ceased; there was silence, brokon only by sobs, and the master asked:
"Who is willing to go back for the child ?" No one spoke. Mr. Gibbes turned to his wife for counsel. As the two talked in low tones, Mrs. Gibbes call Mary, who was kneeling with claspe l hands ment, the little maid rose and came to them, ment, the lmly:
saying, calml "Mother, I must go back after baby"
"Mo.
"Oh, my child,", cried the mother in agony, "I cannot let you!"
"But, mother, I must," pleaded Mary "God will care for me
It was a fearful responsibility. The guns yet roared constantly through the darkness the house might now be in flames; it might
be filled with carnage and blood. Mrs. Gibbe turned to her husband. His face was buried in his hands. Plainly, she must decide it herself. With streaming eyes, she looked at
Mary. Mary.
"Come here, my child," she called through her sobs. Mary fell upon her mother's neck. One long, passionate embrace, in which all a
mother's love and devotion were poured out, mother's love and devotion were poured out,
and the clinging arms were opened without a and the clinging arms were opened without a
word. Mary sprang up, kissed her father's word. Mary sprang up, kissed her father's
forehead, and sped forth on her dangerous forehead, and sped forth on her dangerous
mission of love.
The rain had now ceased, but the night was still dark and full of terrors, for through reat guns. The woods were filled with the booming echoes, so that cannon seemed to be on every hand. She flew on with all speed Soon she heard the crashing trees ahead, and knew that in a moment she would be once more face to face with death. She did not faler. Now she was again in the fierce whirlwind! All around her the shot howled and shrieked. On every side branches fell crashing to the earth. A cannon-ball plunged into the ground close beside her, cast over her a heap of mud, and threw her down. She sprang up and pressed on with redoubled vigor. Not even that ball could make her turn back.
She reached the house. She ran to the room where the little child usually slept. The bed was empty! Distracted, she flow from chamber to chamber. Suddenly she remembered that this night he had been given to another nurse. Up into the third story she hurried, fellow, sitting up in bed, cooed to her and put fellow, sitting
out his hands.
With the tears raining down her Mary wrapped the babe warmly and cheeks, down the stairs. Out into the darkness once more; onward with her precious burden through cannon roar through shot and- shell ! Three times she passed through this iron torm. The balls still swept the forest; the terrific booming filled the air.
With the child pressed tightly to her brave young heart, she fod. she neither stumbled nor fell. The shot threw the dirt in her face, and showered the twigs upon her ead. But she was not struck. In safety so reached the hut, and fell exhausted across the threshold.
And the little boy thus saved by a girl's brave
devotion, afterward became General Fenwick famous in the war of $1821 .-$ St. Nicholas.

## A TOUCHING INCIDENT

"Nearly all the ornaments in this room have a story attached to them," I said to a bust of Charles Diakens than an exquisite littlo one of the book-caces in that stood on top of " One sunny dases in my library boy came along to last autumn, a little It lia boy came along to my door, with a basket i
plaster-of-Paris wares on his head.
"They were very pretty, and the children
lmost went wild over them, as country childalmost went wild over them, as country child-
rea always do over any ununual display.
"/ Youid to the little fellow, after I had looked over the articles, and had bought a lovely vase.

Deekens?' he said, in his funny broken English, looking puzzled at first; but presently 4 smile broke over his fair, bronzed young face -Lis went or. 'De,

Then pointing out of the window, he said, Snow come-I bring him not then. Snow all lady:

We were preparing grapes for preserving and when Minioie gave him a nice large bunch which, rumning out into the garden, she had picked from the trellis purposely for him, and gratifioction he showed was touching to see. might say, 'I am ever so much obliged to you'-he said, the tears glistening in his hining black eyes. God bless ladees!' he continued, bowing and smiling, and turning yard. "We spoke of him several times during the winter, and planned, idly, as we then thought where our prospective

One pleasant morning in May, as I was assiating John in getting my flower-beds ready for the bulbs and seeds, 1 heard the
latch in the dooryard-gate rattle, and, turning around, saiv another Plaster-of-Paris vendor coming up the walk, smiling pleasantly as he placed his long tray of busts and vases upon he ground.
" My thou
Halia thoughts immediately flew to the little Italian boy who had called the autumn pre-
ious, and seemed so grateful for the bunch of rapes my siater had given him, and had pronised us to bring the bust of Dickens.

But this young Italian man was same person; although he resembled him very mach, he was a good deal older. he said, bowing as I approached him. he said, bowing as I approached him
" Bat you are not the one who was to bring
No, no, lady,' he replied, very sadly; 'ho as my brodder. He the say many. Hi died, it vas so cold. But he say many times, sorry ze busto of Deekens to ze lady where $z$ : grapes grow. But he died, and I haf come to grapes g,
is we brushed a way the thears we we anken no suppress at the touching little recital.
church wiz ze clock, and ze yellow house, and I sall come to ze house wiz many grape-vines- - one in ze apple tree, wiz ze seat under
"'How much shall I pay you for the Dickens? I asked, as I handed the bust to my
sister and started to go for my portmonnaie. ittle brodder, and she, pointinc to my sister "did sif him so sweet grapes, and he vas so did gif him ze sweet grapes, and he vas so reain-oh, I sal now po!" And the poor Ital. again-oh, 1 sal now go. And the poor Ital ctreok, hurriedly turned away.

Before we could speak a word of comfort ohim he had replaced the tray upon h's head, A. Preston, in Youth's Companion srief.

REMARKABLE ECHOES.
In the sepulchre of Metella, the wife of Sulla, in the Reats five times, in five different echo which repeats five times, in five different a hexameter line which requires two and a half seconds to utter it. On the banks of the Naha, between Bingen and Coblentz, an echo repeat.3 be heard, and yet the responses are loud and distinct, sometimes appearing to approach, at other times to come from a great distance. Echoes equally beautiful and romantic are to
be heard in our own islands. In the cemeterv of the Abercorn family at Paisley, when the door of the chapel is shut, the reverberations
are equal to the sound of thunder. If a single note of music is breathed the tone ascend gradually with a multitude of echoes till it
dies in soft and bewitching murmurs. In this chapel is interred Margery, the daughter of cho at the Eagle's Nest, on the banke. The arney, is renowned for its effective repetition a bugle call, which seems to be repeated by hundred instruments, until it gradually die the loudest thunder reverberates from the oock, and dies in seemingly endless peals along the distant mountains. At the Castle of Simonetta, a nobleman's seat about two miles tween the two wings of the building. The
report of a piatol is repeated by this echo sixty-
times; and Addison, who visited the place on a somewhat foggy day, when the air was un-
favorable to the experiment, county fifty-six favorable to the experiment, county fifty-six
repetitions. At first they were very quick, but the intervals were greater in proportion as the sound decayed. It is asserted that the
sound of one musical instrument in this place sound of one musical instrument in this place
resembles a great number of instruments pleyresembles a great number of instruments ploy-
ing in concert. This echo is ocasioned by the ing in concert. This echo is occasioned by the existence of two paralle walls of considerable length, between which the wave of sound
reverberated from one to the other until it is entirely spent. - The World of Wonders.

PLANS FOR WINTER READING.
It is not wise, in laying out literary plans, to make them so cumbrous as to invite failure. It is better to plan little and do more, than to propose much and accomplish less. Very comeverything else for history, and to go throug Knight's History of England, or Guizot' France, or Gibbon's Deoline and Fall, from cover to cover. Or, very likely, he draws up a
still more elaborate scheme in which the still more elaborate scheme, in which the his tory of some country is to be supplemented by collateral reading concerning its social customs,
literature, art, religion, and geography. By literature, art, religion, and geography. By
December his zeal becomes cool, and in January his scheme is likely to be abandoned entirely. He has meanwhile derived some profit, and increased his store of mental ammunition to a certain extent. But the effect of a failure of this sort is not likely to be stimulating or salutary. Much harm may be done by courses of reading, or by a too strict adherence to a list of books which one thinks he ought to read. A good appetite and an enthusiastic spirit are as essential to sound literature digestion as to physical health. For children and young persons, of course, certain directions concerning a choice of books are absolutely
neeessary; but even before them it is not adneeessary; but even before them it is not ad-
visable to set a whole library of twenty or

thirty books to be "gone through with" in A good beginining in reading may easily be made. Take one book: a trustworthy popular history, a good biography of some noted person, or a readable account of some interesting
country or region. Read it through carefnill country or region. Read it through carefully with a suitable examiuation of kindred sub jects. Above all, make it a matter of conversation in the home circle. By sueh conversatio the reader will doubtless learn much himself for few persons are so stupid as to be unable to impmber of the family circle te. An as each member of the family circle talks of the book, himself. Who hsstruct others and strengthen simply absorb knowledree but can neither im parc nor we it A leane the whil parc nor use it. Again, let the reader, whit
engaged on one book, forget his deficiencies in other branches of knowledge, and be conten to learn a single thing at a time. Thus literary atmosphere in the home circle may b created. A subject which really interests adul readers, is sure to interest children as well for young people know more than they some times get eredit for. One book, well read an well discussed, is sure to stimulate further er forts; and it is surprising to see how soon it
will be of advantage in daily life.- $S$. $S$. will be

## WOODEN-SHOE MAKERS

Let us describe a party of wooden-sho makers, or as they are termed, sabotiers, at work near a claar stream. The whole family is together; the father with his son and son-
in-law, the apprentices, the mother and chil in-law, the apprentices, the mother and ehl-
dren running about in the beds of cress. Un. dren running about in the beds of cress. Un-
der the trees rises a hut of planks, where all sleep; not far off the two nules which carry They are birds of the owoampment are tethere est, and sojousning where the woad is cheap In this green con be several fine beech-trees
high and three feet in girth. Each will probably give six dozen pairs of wooden shoos.
Other kinds of wood are spongy and soon penetrated with damp; but the beech saboots are light, of a close grain, and keep the feet ury in spite of snow ind mud; and in thi respeot are greatly superior to leather. All is
animation. The men cut down the tree; the animation. The men cut down the tree ; the trunk is sawn into lengths, and if the piece prove too large. they are divided into quarters. with a hatchet, taking care to give the bend for right and left; the seeond takes it in hand, pier 3es the holes for the interior, and scoops
the wood out with an instrument called the cuiller. The third is the artist of the company; it is his work to finish and polish it carving a rose or primrose upon the top, if i
be for the fair sex. Sometimes open border rir sex. Sometimes he cuts a or whider round the edge, so that the blue tish girl slocking may be shown by a coquet in rows under they are finished they aro placed the apprentice exposes them to a fire which smokes and hardens the wood, giving it a warm, golden brown hue. The largest size are cut from the lowest part of the bole, to from mowno to nigh who is oull in rain from mo the to night. The middle part is for the busy house-wife who is treading the wash-house, the dairy, or stands beside the tle shepherd who wanders all day of the lit his flock, and still smaller ones for the sehool boy. Those for the babies have the happiest lot, they are seldom worn out. As the foot grows, the mother keeps the little sabota in corner of her cupboard beside the baptismal robe. Long after when the child has become great and his chair is vacant by the kenth, they are drawn out to be looked at sometimes with a smile, but often with tears. During all his toil the workman talks and sings; he is not taciturn, like the charcoal-burner; his
muscles continually in action, his work in the
open air, keep him in good temper, and give bim refreshing sleep and appetite. He sings like a linnet, while the women chatter and mend the family garments. When the trees mules and another place is sought for. Thus all the year long, whether the forest be tinted with pale spring verdure or covered with the yollow autumn leaves, in some corner will be heard the workers, busy as bees in a hive, gayly carrying on their simple, healthy forest-life.-

## QUEEX VICTORIA AND HER FAMSIIY.

The picture on our fourth ant fifth page epresents Queen Victoria surrounded by her numerous children and their families, making up such a family picture as all her loya subjects must feel proud of, beautifully representing, and calling to mind, as it does, the fact that such a Queen should be at the head of the nation in which the home is so revered and sacredly guarded. We also give above a key to the engraving, showing the manner in which each member of the family may be distinguished. The thirty-eighth on the list is Princess Alice of England, the second dangbter and third child of the Queen, who was born April 25th, 1843, at the Windsor Caste. She was married to Prinee Frederick William Louis now Louis, Grand Duke of Hesse, in 1862 and died from diphtheria on the 14th of December of the year which has just closed. She had ren dered herself very dear to the English people betore her marriage, which was solemnized in a very quiet manner six months after her father's death-which, strange to kay, ocourred on the same day of the year-on account of which it hat

Princess's little daughter, who died but a sho time before her mother from the same terrible disease, the whole family being prostrate with it the thame time
A Methodist lady in Chicago lately leased property for a beer-garden among the fine Cottace Grove avenue. The effect has bee large indignation meetings, a revival of the Citizens' Anti-Liquor League, and a citation to the lady to appear and answer for her offense before her Church Board.

Question Corner.-No. 1

## Answers to these questions should be sent in as soon as

 possille and addressed Mitior Northrrn Mrssenarar. Itin not necessary to write out the question sive merely is
the number of the question and the questioner. , In mere witlog
 ituated

## bible questions

Who beheld a vision in the valley of dry Whones ?
Who buried Saul's body after he had com-
mitted suicile ? Whitted suicide
Who said "To obey is better than sacrifice,
and to hearken than the fut of rife", Where is to be found the declaration looreth it the outward appearation, man looketh at the outward appearance, but
Who built Tadmor (Palmyra)
What prophet asted the part of a physician by giving a medical presoription? Which of the prophets was ealled from Who pere th
first bridal bride and groom of the land of Canaan
Who built a monument in the middle of a
river, in what river was it built, and why
What was Belshazzar's last official act?
Who was Belshazzar's successor as king of the Chaldeans
What commander refused to lead his army to battle unless a prophetess accom panied him

SCRIPTURAL ACROSTIC
Was an apostle of the Gentiles.
Was a Syriac term of reproach.
Are what the heathens worship
Are what the heathens wors
Is an emblem of innocence.
Was a priest and ready soribe in the law W God.
Was one of the sons of Jacob.
Is a tree and its fruits
Is a place for depositing then.
Is a ped for protecting fielde dead
Is used for protecting fields or gardens. Is a precious gum.
Is a targe and powerful bird of prey
Easy to be broken.
Was a king of Israel
Is a part whieh is left.
Was one of the prophe
Was a king of Persia
Was a king of Persia
Was a seaport city in the island of Crete. Merchandise
Was the wife of one of the patriarchs. Inconstant.
A city on the shore of the Sea of Galilee
Was a celebrated mountain in Palestine.
Was a prophet of the kingdom of Judah.
Was one who received the ark and his
prosperity mi consequence.
celebrated xiver in Egypt.
A celebrated xiver in Egypt.
The initials form a proverb; the finals, a anty on the island of Crete, a city of Lycaonia, an island in the Mediterranean Sea, a city
situated about forty miles from Jerusalem, situated about fort
ANSWERS TO BIBLE QUeStions in No. 23 Benaiah, 1 Chron. xi.
. Jaoob, Gen. xxxii.
196. Shishak, King of Egypt, 1 Kings xiv. 26. Abraham Gam. II.
19. Nebuchadnezzar, 2 I
. Nebuchadnezzar, 2 Kings xxv. 1, 11.

1. One hundred and
2. Nebuchadnezzar, Dan y years job, xiii. 16
3. Builders of the wall of Jerusalem Neh
4. Oyrus, Ezra

ANSTVER TO SORIPTUURAL ACROSTIC.
1, Redeemer, Emmanuel, Jesus. 2, Obadiah, Isaiah. 3, Cornelius. 4, Elymas. 5,
Esther. 6, Vashti. 7, Enoch. 8, Reuben. Moses. 10, Omega "11, Rebecoa. 12 CORREC ANSWERS RECEIVED

$=-1=$
-

SCHOLARS＇NOTES．
（From the International Leesons for 1877，by Edwin
W．Rice，as issued by American Sunday－School
JANTARY 6.1
THE SECOND TEMPLE．（About E36－835 B． 0 ． Read Ezta 3：1－13．Conatr to Mrmory vs．10－13， 1．And when the sereenth month was come，and the
ehildrean of $\mathrm{IA}^{\prime}$－ra－e were in the eities，the people gathered

 brathren the priests，and Zo－rub－bab－bel the son of she al al＇－
t 1 el，and his brethren，and builded the altar of the God of
 the law of Mo＇s．Bes the man of God．
8．And they set the altar upon his bases；for fear was
upon them because of the people of those countries． upon them becanse of the people of those countries：
and thee offered burnt offerings thereon unto the Lord， even burat offerings morning and evening．
4．They kept also the feant of taber nacle
4．They kert also the feast of taber naco．es，as it to writ－
ten，and offered the dally burnt offerings by number，ac－ cording to the custom，as the duty of every day required： ，And afterwards offered the continual burnt offering，
both of the new moons，and of all the set feasts of the both of the new moons，and of all the set feasts of the
Lord that were consecrated，and of overy one that will tngly offered a freewill offoring utat the Cord
6．From the first
to offer burnt off rings unto the Lord．But thgat they to offor burnt off rings unto the Lord．But the tounda－
tlon of the temple of the Lord was not yet latd． 7．They gave money also unto the masons
carpenters；and ment，and drink，und oll，unto them of

 that they had of $\mathrm{Cy}^{\prime}$＇rus king of Per＇sia．
8．Now tn the second year of their coming unto the
touse of God at Je ru＇sa－lem，In the escoond month，began Ze．rub＇－be－bel the son of She al $\cdot$ ．t－el，and Jesh ${ }^{\prime} \mathrm{u} \cdot \mathrm{a}$ the son of Joz＇－a－dak，and the remnant of their brethreu the priestin
and the Le＇－vites，and all they that wero come out of the captivity unto Je rul－sa－lem ：And appointed the Lé Lo－thtes， from twenty yoars old and
of the house of the Lord．
9．Then stood Jesh ${ }^{\prime}$ u－a with his sons and his brethren， Kad＇－melel and his sons，the sons of Ju＇dah，together，to of Hentad dad workmen whe the house of God；the sons
ons and their brethren the

## 

the temple or when the bulders lald the foundation of the temple of the Lord，they set the priests in their ap．
parel with trumpets，and the Lee＇．－vites the sons of $\mathrm{A}^{\prime}$＇saph with eymbals，to praise the Lord，after the ordinance of
Da＇－rid king of I I $\mathbf{a}^{\prime}$－ra－el． （T⿻丅⿵冂⿰⿱丶丶⿱丶丶⿸厂⿱二⿺卜丿．11．And ther Bam
and pliving thanks unto the together by course in praising ths meroy endureth foreverer toward Is s－ra－el．And all the people shonted with a grean thout，when they praised the
Lord，beouuse the foundition of the house of the Lorrd as laid．
12．But many of the priests and Le＇vilees and chites of the fathers，who were ancent men，that had seen the
frrst house，when the foundation of this house was laid before thetr eyes，wept with a loud volee ；and many
 of the shout of Joy from the nolse of the weeping of the
people，for the people shouted with a loud shout＇ ＇and the people，for the people sho
noise wat heard afar off．

## GOlden text． 

## Central truth．

DAILY READINGS，－M．－Deut． $12: 1.14, T$－Numb． 28：18．$F .-1$ Cor． $3: 11-23$ ．Sha，-1 Ohron．16： $7-38$ ． s．$\rightarrow$ Ps． $137: 1-9$ ．
Consporsd Hispory，－Our former studies in the Old thoriztng the Jews，in captivity，to return to Jerosallem． This deeree is reeorded in the last ohapter of second
Chrouiles，and also in the firat chapter of Eara．Cyrus Chroiteles，and also in the first chapter of Ezra．Cyrus
reetored the saored vessels whioh Nobuchadnezzar had cerr－ rled of from Jerusalem，and instructed the governors（or
pashas）of the provinces to aid the Jews．Mayy of the pashas）of the provincees to aid the Jews．Many of the
cliosen peeple remsined In Babylon；but 42,360 of them， attended by 7,337 servanta，returned to their native land， Zerubbabel was at their head．He was accompanied by
the high－priest，Jeskua，and posaibly by the prophets Haggal and Zeehariah．In the seventh month after their return the great Altar of Burnt．Offering was rebullt on its
ancient itte，and the priests and Levites offered burnt－of ferings and saoritices．With this our lessons begin． NOTRS ON PERSONS AND PLACES，－Jesh $\cdot$－wa
Jehovah the saleation the Jehovan the salvation，the tigh－priest who returned to
Jeruanalem with Zerubbabel， Jeruasam with Zerubbabel，and co－operated wth him in
reatorting the naered serrices，and rebullding the tem－ ple．He was the son of Jehozoadahk，Jozadalk，or Josedech， who was carried into captivity by Nebuchadnozzar．
rub＇ba bel－born in Babylon．He was the governo sub ba bel－born in bablion．He was the governor of
the prorince under the Persian rule，Neth．12．$Z V$－don， can sleditermewn Const 120 miles north Phenicia，on caited the first born of Cananan，Gen．10：15；mentioned 32 times in Soripture：now has 10,000 inhabitants．
 thhabitanta，Lebb andon，a mountalt range to Northern Palestine．Jop＇pa，a cty 120 miles S．S．W．of Tyro，the Yeaport of Jeruablem，which is 30 miles to the south．enast；
\＃irst mentlooed as Japho ，Josh．19： 46 ；now Yata，hav－
$\left\lvert\, \begin{aligned} & \text { Ing a population of } 8,000 \text { ．Jesh＇} \mathrm{t} \text { ．} a \text { ，not the high } \\ & \text { priest who obre the same name，but the head of one }\end{aligned}\right.$ of the two Leritioal houses whilet had retarned．Ezrra 2
40．Kad＇－micel，the head of the other Ievilical Ezra $2: 40$ ，$A^{1}$－saphe a Levite musiolian in the time o David， 1 Chron．6：39．His name appears in the title of
Psalms 50 ，and 73 to 83 ．
explanations and questions．

 Hebrew month TYssi，corresponding to the latter part of Soptember and the early part of October ；the Hebrew your began about the time of the vernal equinox．（2．）
THE AITAR，the great altar of burnt offering，which stood TH ALTra，the great altar of burnt ofiering，which stood
in front of the temple porch ；Mosis，THE MAN or God， This honorable titile is given flve times to Moses，Dent． 33 ： Ezra $3: 2$ ；it is also applied three times to Dovid, 2 Chron．
 miah， 1 Kings $12: 22$ ．（3．）HIs BasEs，the old founda
lon of the altar ；Bosevt oprerivas，animals slaln，and ournt upon the altar．The rules for such offerlugs ars
1 Quesrions．－With what did our former stadies in the Old Testament end ？（See Conneoted History．）How long had God＇s poople boen In oap tivity？Where？ How many went up to Jerusalem！Under whose leaderahip！In what month did they assemble at Jerusalem．State what sou know of Jeshua．Of Ze－
rulbabel．Describe the altar of burntooffering．Thie rulbabel．Describe the altar of ouratofferrig．The
sacrifices offered．state the difections given by Moses vacrifices ofiered．\＆tate the directions given
concerntng the altar（Daily Readngy for Monda） ading）
II．THE SACRIFICE RENEWED，（4．）prast TABRRNACLES，the ehard of the great festlvals of the
Hebrews（the others being the Passover and Penteoost）， Hebrews（the others being the Passover and Penteoost），
held on the 15 th day of the seeventh month，and lostlo seren days．It was a harvest testival，oulled olso the ＂feanst of ingaihering．＂（5．）sEw yoooss，the month be－ pan with the new moon，and the moonston was eelebrated
with religious rites，（6．） log until the feast of tabernaoles，on the 15th．
II．Questions．－Desoribe the feast of tabernacles．The Other two great national festivals．The varions hdyds of burthtofferings．An example of oveerful giving
（Wednesday＇s Reading．）The building of the temple by Solomon．
III．THE TEMPLE BEGUN．（7．）MRAT，food；onL，olive oil，which is used for many purposes．（8．）Levirnas，there
Were 74 of them，Ezra $2: 40$ WWETTY पEsBs onn bafore Were 74 of them，Ezra $2: 40$ ；TWENTY YEARB otn，bofore
David＇s time the aze for service was 30 years， 1 Chron David＇s time the age for service was 30 yearp， 1 Chron，
$23: 3,24$ ．（8．）roeertrer，as one man ；Hrìdad，pra－ bably the head of anoither Levite family．（10．）Therr course，alternately，or resp onsively，perhaps using the 118th Panlu．（12．）ANcIRsT MEN，old people．The
 it looked．Comp．Hagg．2：3；Zech．4：10．（133． could sor pisobus，ote．Eastern people are very de－
monstratve in expressing feelings．both of joy and orrow．
III．QuBsriovs－What persons assisted preparing mae
terial for the temple）From terial for the temple？From what plaoe was it
broukht，and how？Who superintended the work？ brought，and how 1 Who superintended the work ？
Deseribe the musical service．The feelings of the old mon．How was the Becond house infertor
What reeppoet would it be superior
What facts in tuis lesson teech na－
（1．）That God＇s special blessings should be specially
rocoguzed 9 cogulzed？
（2．）That all may have a part tn bulding up the house
（3．）T
（3．）That itls itting to rejoioo in God＇s work？
titure，not in the past
Jayuary 12．］Lesson II
the dedication．［About 516 b．e．］
haid Eata B：14－22．Conatr to Memort + － $19-22$ ． 14．And ble elders of the Jews bulded，and they pros－ and Zeal－arri＇－ah the son of Id－do．And they builded，and fins hed it，according to tho commandment of the God of

15．And this hooso was filished on the third day of the Da－ri＇－us the king．
16．And the clildren of Is＇ra－el，the priests，and the Lo＇．Ites，and the reet of the ehillaren of the oaptivity tept the dedicatlon of thas house of God wita joy． 17．And offered at the dedication of this house of Go
 he goata，acoording to the number of the tribes ar ${ }^{18}{ }^{t}$ Traell．
18．And they set tho priosts in thetr divisions，and
 mo＇ses．
ciser
19

19．And the eblidren of the captivity kept the 20．For he the prestents day of the first month． IT
20．For the priests and the Ler ritos were punh
tied together，all or them were pure，and killed the passover for all the children of the captivity，and for eir brethren the priests，and for themselves． 21．And the obtidren of Is＇rawel，whioh were
come again out of captivity，and all such as had separated themsolves unto theur from the filthiness of the heathen of the land，to seek the Lord God of I $\mathrm{I}^{\prime}$＇ra－el，did eat．
［تر 22 ．And kept the foest of unleareoned bread se day with joy：for the Lord had made them joy ful，and turned the heart of the lugg of As－syr $1+\mathrm{san}$ unto them，to
strangthen thatr han
the coid of Is Tra：l

## GOLDEN TEXT．




CEENTRAL TRUTH Holy joy comes through hearty conse－
cration．
daily readings．－M．-1 Kings $6: 2-14$ ．$T$－ Chron．7：4－11．W．－2 Chron．5：1－14．Th．－Exxod
$12: 1-28 . \quad$ F．－Num． 8 5－22．Sa，－2 Chron． $30: 21-27$ 12：1－28．F．－Num． 8 5－22．Sa，－2 Chron． $30: 21-27$
S．-1 Kiggs 5.1 .18 ．
Connheted History．－The Samaritans（a mixed race Convscted Historx．－The samaritans（a mixed race
partly Israelte and more largely Assyrian， 2 Kinga 18
B） 6）asked the privilege of oo－operating in rebuilding th misrepresented it at the court of Persia，and prevented any further progress during the latter part of the relgn o
Cyrus，and that of Ahasueras and Artaxerxes．In the cyrus，and that or Ahasuer as and Artaxerxes．In the
second year of the relgn of Darius Hystaspes，B．C． 520 the prophets Haggal and Zeohariah，Ezra $5: 1$ ；Hagg． 1 18，Zoch．1． 1 ， plete the work．The Persian satraps，after inspecting the At thoir sig estion King Danys ang the origlnal decree of Cyrus，Esra 1：1－5，to be made and Darius ordered that the work proceed．The temple was completed 515 B．C．，nearly 21 years after it was be gua，
tion．
NOTES－Hag＇ga－i，or Hag＇gal－festive，the first pro phet atter the captivity，He began prophessing about bly boraIn Babylon．Began prophesying 520 B．C．， 1 concert with Haggai．Gy＇－rus－the sun，founder of th
great Persian emptre ；son of Cambyses and grandson of Astyages，king of Media；led the Persians in a revol against the Medes，and overthrew the Median soverelgaty whioh included Pers．Medi Bery Minor，Syria，Egypt，etc．；it extended from the Indus to the Bosphorus and from the Indian Ocean to the Caspian and Black Seas．Herodotus says Cyrus ruled＂over al Asia．＂He was kulled in battle with the Seythians， 529 B．C．Isaiah foretold his name and work many years be fore he came to the kingdom，Is，44：28；45：1．Da
$i^{\prime}$－us．son of Hystaspes；King of Persia $521-486 \mathrm{~B}$ ．C． fuvored the Jows in rebuilding the temple；was de eated by the Greeks in the famous battle of Murathon many with the Pseado Smerdis，a usurper，who，after a relyn of seven months，was put to death ；others identify Asshur Gen Artaxerxes Longımanus．As－ay，from of the anclent world，extending from Armema to Babylou． It was 400 miles long， 150 miles wide，and contained an
crea of 75,000 square miles．This name is used in Ezra 8： 22 ，Instead of Persia，probably as the mora ancien nd comprehensivedesiguation of the teritory． （The Psalms supp：Psalms 48， 61 and 146 to 150.

## EXPLANATIONS AND QUESTIONS，

lesbon Topics．－（I．）The Temple Completed，（II．） The Tg
Bratbd．
I．THE TEMPLE COMPLETED．（ 14. ）ELDERS， he chers or leaders－especially Zerabbabel and Jeshaa Ezra $\overline{0}: 2, \bar{\sigma}, 9$ ：propabsying，the promise and predic RAB，see Notes，and Connected History；commandment dearee；Ctrus，Daries，see Notes；Artaxerizs，not he one mentioned in Ezra 4：7，who opposea the work， bat Artayerres Longimanua，who，more than 00 years
laler，assisted it，Ez：a 7：13－20．He is montioned here in order to group together the prinoipal parties co－operat－ ing．Note these four partles，（1）the elders，（2）the pio－ phets，（3）the God of Israel，（4）．the three kings．（15．） THE MONTH OF ADAR，this was the twelfth．or last，month nd early April．

Questions，－State the requent of the Samaritans，
（Ezra 4：1－2）．The answer returned，Desorbe their endeavors to hinder the work of．rebuilding the tem． 1．ie，（See Conuected History．）State the substance of the letter sent to Artaxerxes，Ezra $4: 11-16$ ．The
letter to Darius，Ezra $5: 7-17$ ．State how Darius re－ letter to Darius，Ezra $5: 7-17$ ．State how Darius re－
iterated the deoree of Cyras，Ezra $6: 1-12$ ，Give an iterated the decree of Cyras，Ezra $6: 112$ ．Give an
aceount of the finishing of the flrst temple．（Dally Reading for Monday．）What prophets are mentlonec （Ezra 6：14．）State the substance of their pro－
pbecles concerning the Work What three kings are mentioned I State what you know about each．When was this second temple finished
II．THE TEMPLE DEDICATED．（16．）DEDication the settlug apart，or consecrating to God and his wor－ ship．（17．）$A \mathrm{~N}$ मUNDRED BULLocks，etc．，oontrast these
with the 22,000 oxen and 120,000 sheep at Solomonts dedication， 1 Kings 8：63；all Israel，most of those who returned were of Judah and Benjumin，but there were some representatives of all the twelve tribes， 1
Cmron $9: 3$ ；Neh．7：7．（18．）Divisions $* *$ Courars The Levites were set apart for the tabernacle service， um．3：6；8：9；and David arranged them in orders or the writugs of Moses，and here，espectally；the book of Numbers．

Questions－The meaning of＂dedioation＂？Who joyful？state the number of their offerings．The number at the dedioation of Solomon＇s temple．Why was there such a difference I What were the Levites


III．THE PASSOVER CELEBRATED．（18．）PAssoves
the first of the great festivals of the Hebrews ；so called beoause the Lord passed over the houses of the Israelites
in Egypt，Ex． $12: 13,23-27$ ．With this was conneoted in Egypt，Ex．12：13，23－27．With this was conneoted
a＂feast of unleavened bread，＂continuing for seven days，
 month of the year，corresponding nearly to our A pril．（20） Hezeliah ald Josiah， 2 Chron． $30: 17 ; 35: 11-14$ ．In later times each head of a family slew the viotim for hia family．（21．）separatrd thembecves，eto．，had for－ lytes，through the rite of circumcision．
1II．Qubstions．－What do you know of the passover ？
Who participated in it？By whom ware the ani ma＇s killed ？What did the passover aignify ？By What people is It now oelebrated ？Why do Iot Chrls tians now observe it 1 （Comp． 1 Cor． $5: 7$. ）How did Chrtst fulfl，and abollsh，it？
（1．）The duty of bulding houses of worship （2．）The joy of celebrating religions ordinazizes ？ serve the Lord with gladness． （3．）The promise and hope to those builaing the （4．）The need of holiness for Christian serviees，

## THE TLME TO WORK．

This is the beginning of the year，and our young people will find that this is the very best time for them to try and get subscribers for the Messenger．People cannot say as re－ gards it that the times are too hard，for there are very few men who cannot afford to spend thirty cents a year for a paper such as this， full of pictures and good stories，and informa－ tion on almost every subject．Just think of it ：It costs just a cent and a quartor a number ！ How much pleasure is given for that little sum of money！It is a not a selfish pleasure either，for the paper increases in interest when all the family read it or hear it read，and obtain pleasure thereby．And what pleasure there is，after all have read one of the stories，to talk about them－about Jack who beoame such a man in spite of all his troubles；but that is getting a little too quickly in advance．This is a great pleasure，but one so easily enjojed that a great many do not think of it，and many more imagine that beoause it costs little it is worth very little．The readers of the Mrssen． GER can tell them otheriwise

## NOTICE．

Subsoribers to this paper will find the date their subsoription terminates printed after the name．Those expiring at the end of the pres－ ent month will please have the remittancea mailed in time．

## SPECIAL NOTICES．



ADVITRTMTLSTIMMTEMYPS．
50 PERFUMED BRST MIXED CARDS IN FANCX







