TERMS OF PUBLICATION. The Bradford Brontes s published every Thursday morning by Goodsich & Hitchcook, One Bollar per annum, in advance.

27 Advertising in all cases exclusive of subscription to the paper.

37 ECIAL NO FICE Sinserted at TEN CRATS per line for first insertion, and FIVECENTS perfine for each subsequent insertion, but no notice inserted for less than fifty cents. r less than fifty cents. YEARLY ADVERTISEMENTS will be insert. for less than fifty cents.

YE NRLY ADVERTISEMENTS will be insertable at reasonable rates.

A indistrator's and Executor's Notices, \$2;
Author's Notices, \$2.50; Business Cards, fivelines, (per year) \$5, additional lines \$1 each.

Yearly advertisers are entitled to quarterly changes. Transient advertisements must be paid for in udvance.

All resolutions of associations; communications of limited or individual interest, and notices of immitted or individual interest, and notices of marriages and dosths will be published without charge, and dosths will be published without charge, me Refore exhaust a larger circulation than any other paper in the county, makes it the best advertising medium in Northern Pennsylvania.

JOB PHINTING of every kind, in plain and fancy colors, done with neatness and dispatch. Handbills, Blanks, Cards, Pamphlets, Billhesds, Statements, &c., of overy variety and style, printed at the shortest notice. The Refore en Omeo is well supplied with power presses, a good assortment of new type, and everything in the printing line can be executed in the most artistic manner and at the lowest rates. TERMS INVARIABLY CASH.

Business Cards.

DAVIES, CARNOCHAN & HALL, ATTORNEYS-AT-LAW, SOUTH SIPE OF WAED HOUSE. Dec 23-75.

MADILL & KINNEY, ATTORNEYS-AT-LAW. Office-Rooms formerly occupied by Y. M. C. & 3,18,80 O. D. KINNEY. H. J. MADILL.

MRS. E. J. PERRIGO, TEACHER OF PIANO AND ORGAN. Lessons given in Thorough Bass and Harmony. Cultivation of the voice a specialty. Localed at T. Mullock, Pine St. Reference: Holmes & Passage. Towanda, Pa., March 4, 1880. TOHN W. CODDING,

ATTORNEY-AT-LAW. TOWANDA. PA. Olice over Kirby's Drug Store; MOMAS E. MYER ATTORNEY-AT-LAW,

TOWANDA, PA. Mice with Patrick and Poyle. ECK & OVERTON ATTOBNEYS-AT LAW,

TOWANDA, "A. DODNEY A. MERCUR, ATTORNEY AT-LAW. TOWANDA, PA., Solicitor of Patents. Particular attention paid to business in the Orphans Court and to the settle

men) of estates.
Office in Montanyes Block May 1, 279. OVERTON & SANDERSON, ATTORNEY-AT-LAW, & TOWANDA, PA. JOHN F. SANDERSON E. OVERTON, JR.

W. II. JESSUP, ATTORNEY AND COUNSELLOR-AT-LAW, MONTROSE, PA. Judge Jessup having resumed the practice of the lawin Northern Pennsylvania, will attend to any legal business intrusted tonium in Bradford county. Persons wishing to consult him, can call on H. Streeter, Esq., Towanda, Pa., when an appointment

TENRY STREETER, ATTORNEY AND COUNSELLOB-AT-LAW, TOWANDA, PA. Feb 27, '79

ATTORNEY-AT-LAW, TOWANDA, PA. [nov11-75 E. F. GOFF, ATTORNEY-AT-LAW,

WYALUSING, PA. Agency for the sale and purchase of all kinds of Securities and for making loans on Real Estate All business will receive careful and promp

II. THOMPSON, ATTORNEY to all business entrasted to his care in Bradford, sullivan and Wyoming Counties. Office with Esq. Porter. [nov19-74.] HIRAM-E. BULL, SURVEYOR.

ENGINEERING, SURVEYING AND DEAFTING Office with G. F. Mason, over Patch & Tracy, Main street, Towarda, Pa. 4.15.80. GEO. W. KIMBERLEY,

ATTORNEY-AT-LAW. TOWANDA, PA. Office s coud door south of First Nationa Bank. August 12, 1880.

TALSBREE & SON,. ATTORNEYS-AT-LAW, TOWANDA, PA.

N. C. ELSBREE. MéPHERSON, ATTORNEY-AT-LAW

Dirt Att y Brad. Co. [feb.1'78. MIRE INSURANCE.

Having accepted the agency of the LANCASHIRE INSURANCE COMPANY, (Assetts over \$13,000,000 00.) I am prepared to write policies at current rates. M. D. Swants, Agent. Other with Wm. S. Vincent, Townda, Pa. 1yr. OHN W. MIX:

ATTORNEY-AT-LAW AND U. S. COMMISSIONER TOWANDA, PA. omée—North Side Public Square. SAM W. BUCK,

ATTORNEY-AT-LAW, TOWANDA, PENNA ffice-South side Poplar street, opposite War ANDREW WILT,

ATTORNEY-AT-LAW. Office—Means' Block, Main-st., over J. L. Kent's store, Towanda, May be consulted in German. [April 12, '76.] W. J. YOUNG, ATTORNEY-AT-LAW.

TOWANDA, PA. and door south of the First Nation Bank Main St., up stairs WM MAXWELL,

TOWANDA, PA. Office over Dayton's Store, NR. S. M. WOODBURN, Physi rian and Surgeon. Office at residence, of the Street, East of Main. Towarda, May 1, 1872 by

B. KELLY, DENTIST.—Office over M. E. Rosenfield's, Towarda, Pa. Teeth inserted on Gold, Silver, Rubber, and Alunium base. Peeth extracted without pain.

D. PAYNE, M. D. Physician and Sundeon.
Office over Moutanges' Store. Office hours from
to 12 a. M., and from 2 to 4 p. m.
Special attention given is (DISEASES THE EAR W. RYAN,

files day last Saturday of each month, over Turns & Gordon's Brug Store, Towanda, Pa. Towanda, June 20, 1878. C S. RUSSELL'S

INSURANCE AGENCY DIEST NATIONAL BANK, TOWANDA, PA.

This Bank offers unusual facilities for the transaction of a general banking business. N. N. BETTS, Cashier. JOS. POWELL, President.

MRS. H. PEET, TEACHER OF PIANO MUSIC, TERMS. \$10 perterm.
(Residence Third street, 1st ward.)
Towarda, Jan. 13,79-1y.

(TET YOUR JOB PRINTING

Acadfurd

COODRICH & HITCHCOCK, Publishers,

REGARDLESS OF DENUNCIATION FROM ANY QUARTER

VOLUME XLI.

TOWANDA, BRADFORD COUNTY, PA., THURSDAY MORNING, JANUARY 6, 1881.

Mem Advertisements.

THE **PHILADELPHIA** TIMES.

The Times for 1881.

The TIMES will enter the New Year with a larger circle of regular readors than it has had any previous period of its history, and the important events of the next year must sleadily enlarge the field of independent journalism.

A new administration will be inaugurated; new political occasions will create new political duties; the great commercial and industrial prosperity of the country must stimulate progress and thrift, in all sections, and the tendency of political powers, will be toward corruption and despotism, as it divers is when the people are civerted from the storn criticism of authority by peace and plenty.

The Times will be in the future, as it has been in the past, absolutely independent of all political parties, but earnessly and fearlessly devoted to integrity and patriotism in our statesmanship and to the freedom and sancity of the bailot. Dependant party organs will continue to babble about party men and party measures; to excuse the public jobber and the demagogue; to suppress, pervertor deny the truth when party interests demand it, and to lavish the regulation praise of the servant to the master; but the growing intelligence of the age daily multiplies the greaters of the independent newspaper, and the fournals which best reflect she rapidly increasing independence of the people will be the great American journals of the future.

The Times aims to reach the highest standard of the independent newspaper, and the supremacy of liberty and law; for every clitzed of the Helpublic, and it demands public tranquility and the supremacy of liberty and law; for every clitzen of the Union.

The Times will begin the New Year strengthened in the Weekly Education of the War will be continued in the Weekly Education of the world.

The Day of the Union.

The Times will be from the New Year strengthened in the Weekly Education of the War will be continued in the other cellitons, and the contributors for 1851 to this important feature of the paper will be from the nose distinguished soldiers and civilians of both North and South. Its large-list of contribu

TERMS: DAILY - Delivered by carriers, for TERMS: DAILY — Delivered by carriers, for twelve cents a week; mail subscription, six dollars a year, or fifty cents a month, postago free. Week-LY—Published every Saturday morning, two dollars a year; five copies, \$3; ten copies, \$15; twenty copies, \$25. An extra copy free to the getter-up of a club.

THE TIMES, TIMES BUILDING, Philadelpain THE BEST PAPER

TRYITBEAUTIFULLY ILLUSTRATED 36TH YEAR

The Scientific American

calth, Medical Progress, Social Science, Natural istory, Geology, Astronomy! The most valuable A HERICAN.

Terms, \$3.20 per year, \$1.60 half year, which includes postage, Discount to Agents. Single copies, ten cents. Sold by all Newsdealers, Rendt by postal order to MUNN & CO2 Publishers, 37 Park flow Now Year.

tow, New York.

PATENTS. In connection with the PATENTS. SCIENTIFIC AMERICAN Means, MUNN & Co. are Softshors of American and Foreign Patents, having had 35 years experiments have proved. Nast it certainly is, far beyond anything we can produce artificially, but when the world. Patents are obtained on the best terms. A special notice is imade, in the SCIENTIFIC ANERICAN of all Inventions patented through this Agency, with the name and residence of the Patentee. By the immense circulation-thus given, public attention is directed to the merits of the new Patent, and sales or introduction often leasily effected. or procuring advances on inventions. Advances or the Paper, or concerning Patents.

MUNN & CO., 37 Park Row, New York,
Branch Office, cor. F & 7th Sis., Washington, D.

W1.

PHE GREATEST LIVING AU- but 2,786 degrees Fahrenheit. Browning, and many others, are represented in

Littell's Living Age.

lighth year, admittedly unrivalled and contin-lously successful. During the year it will furnish o its readers the productions of the most eminent outhors, above named and many others; embracing

UNAPPROACHED BY ANY OTHER PERIin the world, of the most valuable Literary and Scientific matter of the day, from the pens of the formost Essayists, Scientists, Critics, Discoverers,

THREE AND A QUARTER THOUSAND yearly. It press us til an inexpensive form, considering its great amount of matter, with freshness, owing to its weekly issue, and with a caisfactory completeness attempted by no other publication, the best Essays, Reviews, Criticisms, Tales,
Sketches of Trayel and Discovery, Pectry, Scientific, Biographical, Historical and Political information, from the entire body of Foreign Periodical
Literature. It is therefore invaluable to every America: reader, as the only satisfactorily fresh and com-plete compilation of an indispensable current liter-

ABLEST LIVING WRITERS.

"In no-other form can so much thoroughly good reading be got for so little money; in no other form can so much instruction and entertainment be got in so small a space."—Philadelphia Times.

"There is no other publication like it. It is known and read by all who desire to keep abreast with the cultivated thought, of the English-sp-aking world."—Episcopal Register, Philadelphia.
"It reproduces so fully the choicest articles from the foreign magazines, that one who takes it does not feel the need of anything else in the way of foreign periodical literature."—The Advance, Chicago.

-New York Tribune.

"It is, by all odds, the best eclectic published."

-Southern Churchman.

"It enables the reader, at trifling expense, considering the quantity and quality of the reading fun hished, to keep pace with the best thought and literary work of our time."—Christian Union,

Literature

WE TWAIN.

Oh, Earth and Heaven are far apart But what if they were one, And neither you nor I, Sweetheart, Had anyway misdone? When we, like laughing rivers fleet, That cannot choose but flow, Among the flowers should meet and greet,

Should meet and ming's so, Sweetheart-That would be sweet. I know.

No need to sworve and drift apart, Or any bliss resign : Then I should all be yours, Sweetheart, And you would all be mine. But sh, to rush, defiled and brown,

From thaw of smirched snow, To spoil the corn, beat down and drown The rath, red lilies low-

For you and I are far apart ; And never may we meet, Till you are glad and grand, Sweetheart, Till I am fair and sweet. Till morning light has kissed us white Till both are brave and bright of sight

Sweetheart: For God will have it so. Oh, Heaven and Earth are far apart ! If you are hend or free, And If you climb or crawl, Sweetheart, Can no way binder me But see you come in lordly state.

Sweetheart! That will be Heaven, I know, From " The Masque of Pocts.

cientific Theories of Heat, Interpret ed in the Language of Common Life.

An article in a recent number o The Popular Science Monthly is of such rare interest to those who are at all interested in scientific inquires that, for the benefit of those who will not be likely to read it there, we condense and put in a little simpler form for the benefit of the readers of THE REPORTER some of the new facts that have been determined and works that treat upon this subject.

THE HEAT OF THE SUN has always been a puzzling problem for scientific investigators to solve There are so many things to be taken into consideration, the altitude of the sun, the condition of the air, the ab sorption of the earth's atmosphere, the meteorlogical conditions, especially the moisture in the air all these and many others, have caused a wide variance in the views of experimentors, and it is only of late years we seem to arrive at some rational conclusion—unsatisfactory at the best-

earth receives or the sun transmits. most, it will be seen how much bepatent can probably be obtained, by writing to
MUNN & CO.
MUNN & and may reach as low as-10,000 de

grees. Fahrenlicit, intense enough

when we consider that molten iron is

the sun should concentrate his whole power upon it, it would dissolve and melt, not in an hour or minute, but

pendulum and it would be water; seven more and it would be naught but vapor. face gives out heat enough to run seven engines of a thousand horse

furnished, to keep pace with the best thought and literary work of our time. "—Christian Union, New York of Our time."—Christian Union, New York of Our time. "—Christian Union, New York of Our time."—Christian Union, New York of Our time. "No man will be behind the literature of the times who reads the Living Aok."—Zion's Herald, Boston.

"We know of no investment of eight dollars, in the world of literature, that will yield equal returns."—The Presbyterian, Philadelphia.

"It has no rival."—New York Evening Post, Published Weekly at \$6.00 a year, free of postage.

"At has no rival."—New York Evening Post, Published Weekly at \$6.00 a year, free of postage. OF THIS ENORMOUS OUTFLOW of heat, the earth only receives about a two millionth part, and the whole sensible.

They teach protoplasm, too, and if he climbs towards you. The boy follows you to the top and pours water gun!"—Petroleum World.

They teach protoplasm, too, and if he climbs towards you. The boy follows you to the top and pours water gun!"—Petroleum World.

They teach protoplasm, too, and if he climbs towards you. The boy follows you to the top and pours water gun!"—Petroleum World.

With every exertion the best may solar system of planets and their attendant satellites only about one any such quantity of matter can be three-thousandth. But this minute supposed to reach the sun. On the know I should adore it."

there is one thing perfectly neavenry lows you to the top and pours water it's protoplasm or molecules."

over your head and hands, and gives any such quantity of matter can be know I should adore it."

there is one thing perfectly neavenry lows you to the top and pours water over your head and hands, and gives any such quantity of matter can be know I should adore it." three-thousandth. But this minute supposed to reach the sun. On the know I should adore it."

fraction received by the earth is whole, it seems improbable for as "Deed you would. I's just too He is getting his muscles in training powerful. To New subscriptions, will be sent of their subscriptions, will be subscr face receives an average energy or he motion of the planet Mercury— your very soul. The first time he heat enough to run a one-horse pow- an effect not yet detected, or but in a cappellast the motion of the planet Mercury— your very soul. The first time he breathe his last at the top of it.

But it could not disconnect the snake explained about protoplasm there before you are quite ready to start from the tree. Neither gave way, and the pulling continued with fear- are successful. The who goes into his garden to look for cobwebs and spiders will, no doubt, and the pulling continued with fear- are resulted as the pulling continued with fear-

sun is any way different in this respect from every other incandescent solar heat is correct, it follows that

ed and communicates its heat to the tains its present radiation, it will Did you ever see one?" asked the the heat which the earth would radi- at the longest. It can hardly, then, much higher, and above all, more fall. Newcomb's conclusion, thereiniform than it would be if there fore, is that it is hardly likely that When the rays of the sun are conentrated by means of a burning- (such life as we are now acquainted

glass we have a very direct evidence with at least) for ten millions of of their power. Like the telescope, years from the present time. the lens moves the object at its focus virtually nearer the sun, so that the emperature at the focus is what the irect rays of the sun would be at the assumed distance, making allowance for loss of heat by transmission through the glasses. The most powerful lens yet constructed virtually ransports the object at its focus to within about 250,000 miles of the sun's surface, and the most refractory theories advanced, using as much as diamond itself—in this focus are of Neptune to its present dimen of Neptune to its present dimen sions—if such a contraction has actsubstances - platinum, fire clay, the There is no doubt that if the sun were to come as near as the

THE SOLID EARTH WOULD MELT

*LIKE WAX.

period any appreciable alteration in of the sun, could raise it to 60,000, the heat received from the sun. So 000. far as can be made out, the vine Yet what is our perception of the and the olive, the cereals and the known compared to what we know forest trees, grow just where they not? It is impossible to assert that did in classic days. But two thou, there has been no catastrophe in the sand years is but the breadth of a past, no collision with some wandermote in the life of the sun, and in ing star, ended, as Croli has supposthe remoter part there have been ed, like some of those we know of great changes in the earth's tempera- now in the heavens, with a velocity ture, evidenced by gelogical records; far surpassing that to be acquired by caboniferous epoch when the tem- a fall, even from infinity, producing a perature was tropical in almost Arc. | shock which might, in a few hours or tic latitudes; glacial periods when moments even, restore the wasted enour temperate zones were eased in ergies of ages. sheets of solid ice as Greenland is now. But it is not yet certain whether these changes are to be traced to yet no conception by which the chorvariations in the amount of heat mours energy apparently lost in

emitted by the sun, or to changes in space may be returned, and burnedthe earth herself or in her orbit. We out suns, and run-down systems rethe centuries of human history. What, then, maintains this fire?

upon the solar surface, would "

ave thought that the sun sends heat | Heimholtz has shown that, unfavor- Mr. Cook! You should hear him go away down at the foot of the pyra-But all scientific investigation so far account for its whole annual heat them, and we named them after him and then you feel as if you could

If this theory of the source of the the sun can continue to give sufficient heat to support life on the earth

We can compute the past of THE SOLAR HISTORY somewhat more definitely than the future. Knowing the present amount of radiat on and the mass of the sun we can compute how long the solar fire has been maintained at its present intensity by the process of condensation. No conclusion of geometry is more certain than that of the contraction of the sun from a diameabout 18,000,000 times as much heat as the sun now supplies in a year, and therefore the sun can not have been emitting heat at the present

like these: How is such a heat main- time, if its heat has been generated ready; how long will it continue to If the hypothesis be true, as it last; are there any signs of increase probably is in the main, we are inexor diminution? Questions to which, orably shut up to the conclusion that in the present state of science, the total life of the solar system only vague and unsatisfactory replies from its birth to its death is included are possible. There is no evidence of in some such space of time as 30. progressive changes in the amount of | 000,000 of years; no reasonable alsolar heat since the beginning of au- lowance for the fall of meteoric matthentic records. There have been no | ter, based on what we now observe.

Neither can we assume that there may not be ways of which we have our suns and planets are not themselves restored they will be made the In the first place it is quite certain germs and material of new ones to J. M. B.

LOVELY PHILOSOPHY.

How a Boston Girl Just Adores the Concord School. A few days ago a Boston girl who

about science, you know, and we all just dote on science."

the possessed of the Living Age and che of of course, is expended merely in structure. The command of the whole is that a portion and probably a considerable in the pulling continued with fear-may be afresh the Bedawees clutch you, and of a book. They point out what is most of course, is expended merely in structure. The point of the whole is that a portion and probably a considerable in them. This is agreeable in them.

The full vigor, until a cracking was heard the pulling continued with fear-may be agreeable in them.

Suddenly the great tree around which is of the vigor, until a cracking was heard the pulling continued with fear-may be agreeable in them.

The vigor pulling the centry of the vigor, until a cracking was heard them. This is agreeable in them.

Suddenly the great tree around which the whole is them.

The vigor pulling the centry of the vigor pulling to them

have them." "How exquisitely lovely! Tell me some more science."

"What is it, anyway?" "This is mull, trimmed with Lan-

"I don't mean that that other." "Oh! differentiation! ain't it boy, and find life a good deal of a sweet? It's got something to do bore. You don't look down after the time must come when it will end; with species. It's the way you tell that. You hum fragments of that Only about one-half of the sun's and, looking backward, we see that one hat from another, so you'll know unforgetable song, with its highly rays projected toward the earth reach | there must also have been a begin | which is becoming. And we learn | moral refrain "Excelsior," and begin phere, even when there are no must come when it will cease. To enraptured with ascidians. If I only on the top stair and give up the ghost "What do they look like, dear? | you. When you rest the third time

"Oh, no; nobody ever saw one except Mr. Cook and Mr. Emerson; think they are just heavenly." -"Do you learn anything else besides all these?"

"Oh, yes. We learn all about die it, and perhaps roll down on the da, preparatory to its going to Calover differentiation and molecules

her cookeyed. Brooklyn Eagle.

ble; not that it is a long or a difficult over the desert, and there is no shade." For more than forty centuries these Bedawees have besieged the pyramidclimbers from every quarter of the languages at their tongue's end, and their hands are filted with old coins and new scarabæi, which they swear are old. The sheik is your only hope;

every village, every community, has its sheik, and his word is law. Purchase his friendship-you can do it with a couple of francs-and you are his "howling savages" to take you in hand, and conduct you to the summit of Cheops. According to the agreement with the shelk, you were to pay so much into his hands upon your return to earth, after having reposed as long as you think fit at the top of the pyramid. Meanwhile no and athletic fellows who help you up and down, nor are they to ask for sible to abandon it before it is completed to the letter. You may repent and grow dizzy and short-winded, had been attending the School of but the strong grip on your arms

"Oh! it's perfectly lovely: It's about three times on the way up. "Oh! molecules. They are little By and by he insists upon your rest-advancing. wee things, and it takes ever so many ing for a moment only. You rest of them. They are splendid things! for his sake as much as your own, if the sun were composed of a solid Of course, this increase of the sun's Do you know, there ain't anything for you are a little out of breath, and in opposite directions. The deacon staying some while at a salt spring gles to the performance of duty, gives mass of the best anthracité coal, mass would cause an acceleration of but what's got molecules in the And fear that he, that all three of the at squirmed around in the arms of his began to pass on. One, however, a conrage and clears the judgment. and produced its heat by combi stion, the motion of all the planets and Mr. Cook is just as sweet as he can tendants, must feel fatigued. At this captors, shook his cane at Lickship- very large animal, stayed a little be- Is all good things give the eye and ear it would burn out in less than six shorten their periods of revolution, be, and Mr. Emerson too. They ex- moment a small boy makes his ap | gle and hissed :

thousand years, while we reckon its but as the mass of the sun is 330,000 plain everything so beautifully."

pearance with a jug of brackish water age by millons.

"Your man Garfield would never the spring. As he was hastening to strain the tongue, for it is a sp in his hand. He climbs like a cat, nave got into the army if he hadn't join the others, a snake (who had

"Oh! I almost forgot differenția- no wind lest in you now! You sink

guedoc lace---"

common philosophy and logic and other side. It is large enough to cutta, it put its strength against the those common things like metaphys build a house on. I ached for a shell batons and raised them from their ies; but the girls don't care anything | ter of some sort while I was up there, about those. We are just in ecstacies and having looked over all the world friend went to see what was up, and read like romance to the uninitiated. and Mr. Cook and protoplasms and through it between shores of emerald bit him on the hand. Here was a well as happy funcies. In my first ascidians and Mr. Emerson, and I and fields of corn and groves of palm, pretty go. It was commonly report year in the ministry my salary was really don't see why they put in those yulgar branches. If anybody besides narrow shadow under the highest but one is apt to question the accuration to team, had the lung fever. Mr. Cook and Mr. Emerson had done step, and there rest .- Charles War- cy of such statements when smarting was married, paying the minister a it, we should have told him to his ren Stoddard. face that he was too terrible, awfully

And the Brooklyn girl went to bed that night in the dumps because freckles on her nose that they made erently.

Climbing a Pyramid. The business of climbing Cheops young men we took an interest in eventually healed; so I have adopted miles from a Vermont village. A begun as early in the day as possi politics, we had none of this 'ere the belief that python bites are not horse and buggy were sent to take task, but because the sun pours his is Indeed we hadn't," acquiesced ployed as a curative agent; a little he found that a family row had caushottest beams in a baptism of fire Deacon Radspinner. "Take Jack- being sprinkled in the wound and ed an indefinite postponement of the no cooling draught at hand. You parties, but there wuz none of your the poison, only much more expedi- in the mud without fee or thanks. light at the base of the Cheops and are immediately besieged by an army of Bedawees, who are famous bores. Lickshingle; "but between me and pleasant and is apt to make one won have officiated at three funerals in

earth; they have a smattering of all Lickshingle." perfectly safe. He orders three of have been lected hog-rive in a hill fee is to be given to the three fierce his hickory cane. "Hancock's a when large things of this kind have few months later he was converted have gone on unchanged through all such thing must take place, and if any on pain of the bastinado in case guns, what's Garfield? Didn't be room for a far larger substance than cy on that man's soul." When the any complaint is made against them. lay a cheap-John sort of a pavement the size of the reptile would lead it meeting closed he warmly grasped This being considered satisfactory around the Capitol and charge the to be inferred could be taken in the me with his right hand, and with his by all parties concerned you are government a million dollars for it?" mouth. This deer had small horns, left handed me a \$5 bill, saying: scized under the arms by two of the and the deacon's eyes blazed with in- and had evidently been swallowed "Mr. -, I feel as though I ought Bedawees, while the third gives you dignation.
a gentle poke in the small of the back "See here, from time to time. Once started on man Hancock's letter to Sherman passage. this novel ascent, it is quite impossi- Didn't he try to blow up Washington | The neighbors said that probably prayer."

Philosophy at Concord arrived in brings you to your feet again, and Brooklyn on a visit to a seminary you are swung up from one terrace chum. After canvassing thoroughly to another, hurried to the right and Garfield skulkin' in the time of dis- of this being done, and the python more than perceptibly within two the fun and gum-drops that made up to the left by a zigzag trail that has aster? In Ganady, by thunder, in gaining the victory over a fleet and their education in the sent of learn-evidently been searching for low ing at which their early scholastic steps and crevices in the stones, and efforts were made, the Brooklyn girl found them in many cases. Each stiletto in his boot the night Lincoln ple with me killed it with an axe. began to inquire into the nature of stone is about the height of a table; it is four hundred and sixty perpen-"And so you are taking lessons in dicular feet to the top of the pyraphilosophy. How do you like it?" mid, and you are permitted to rest Don't talk to me! Don't talk to me!" At first the Bedawce touches your right arm, and asks you if you would shingle on the street. "It must be nice. What is it like to rest. You scorn the idea, and leap like a chamois from rock to rock, man's a liar that says so," retorted | European in India expresses surprise | "It's about molecules as much as to show him how very far you are Lickshingle, too much wrought up to at anything to a native, he is invarianything else, and molecules are just from feeling fatigued. He praises be particular as to his phraseology, ably given to understand that he has too awfully nice for anything. If your powers of endurance, feels of "You're a bald-headed old scounhad but a glimpse of the remarkable produce the whole supply of its heat, too awfully nice for anything. If your powers of endurance, feels of but there is as yet no direct evidence there's anything I really enjoy it's your muscles, and says your legs are drel," velled the deacon. splendid. You realize that they must "Tell me about them, my dear. be, for you have evidently astonished

tle farther up, and you nearly perish before you come to the spot. There is no pride of muscle, no ambition, your eyes, for you have caught a

just on account of the interest he never get to the top of Cheops, and if you did, you know you could nev er get to the bottom again, unless you were to tumble head foremost down all those frightful stairs, and you grow faint, and call on the water-

you hardly know which, has cowed one of the Bedawees kindly chafes

your legs, straightens out the kinks in your muscles, and says pleasant things to you about the remainder of little farther up, and you begin to batons nailed over the top. But the wonder if it will be large enough to snake objected to the imprisonment stand on, or if you will have to strad. and whilst the box was in the veran of sand, with the blue Nile flowing the snake reared its huge head and There are chapters of hard facts as

Old Men in Politics. fortune had not vouchsafed her the con Radspinner, two patriots in this post of the veranda, and put the couple arrived I fed their horse with advantages enjoyed by her friend, community, were walking down street charcoal on the wound. When en hay and oats, the bride and groom while the Boston girl dreamed of together yesterday. It/was remarked durance, became longer impossible he late heartily of a good steak dinner seeing an ascidian chasing a mole that two such venerable men were took the charcoal off. It is no distobtained a certificate which cost fifcule over a differentiated back fence not often seen together, and people grace to my friend to say he felt ill. by cents, and I received one dollar with a club for telling a protoplasm raised their hats to them as they The excitement of being bitten by a for the entire entertainment. There that his youngest sister had so many passed along and spoke to them rev. possibly venomous snake is sufficient | are of course profitable marriage oc-

> ness in this campaign, deacon," said ed by endeavoring to burn the poison an-ex-presiding elder of the Troy everlastin' cat-haulin'."

> wuz a lively interest taken by both acts as does charcoal in burning out in, but was allowed to foot it home you, I never thought much of Jack- der how one's head would feel at the one day in families outside of my

Lickshingle. "Garfield be danged. You know

mighty well, Lickshingle, he couldn't town in Jackson's day." "He's a darn sight better man l than Hancock." "Go slow. Lickshingle, go slow! said the deacon, somewhat agitated, a state of coma. The stench was "I'll see you again some other day." about!" retorted Lickshingle, as the small deer which was in the snake's some other day, saw me sooner than stabled the pavement spitefully with mouth. I should here mention that he expected. At a camp-meeting a stoughton bottle, that's what he is," to be swallowed the jawbones in a and when I saw the tears in his eyes "An' what's Garfield? Great snake's head dislocate, and so make I mentally prayed, ' Eord, have mer-

with glycerine? Say, didn't he? Oh, the python had caught hold of th

what's going on." "Hancock's a good an' pure man. and causing death, then straightened Didn't he fight like a bull dog in the out the fore and hind legs, and swalwar of the rebellion? Where was lowed it. It was marvellous to think Canady" "What was Hancock doin' with a any sign of life, and one of the peo-

"It's a lie," howled the old deacon, to a mahout (elephant driver), I was bumor, and the fourth wit. as he whirled around and faced Lick- told that that was nothing in com-"It's as true as holy writ, an' any to do. I might remark here that if a

wipe the ground with you," howled said it was nothing for a snake to him with your strength and agility. Lickshingle, gripping his cane and swallow a deer, and then entertained furious old men were dragged away roaming the country once, and after

and he is so little that his head is been drafted, and he wouldn't went been watching in an adjacent tree)

A LEADING elecutionist once said to a young preacher: "I can do nothing more lost below the edge of each stair as then only he thought he would be threw its

PRESERVE the privacy of your house, marriage state and heart from relatives and all the world.

\$1.00 per Annum in Advance. THY WILL BE DONE. I did not ask thee, Lord, to give This racking pain, these aching eyes, This feeble flesh in terture's grasp, This absence from the sunny skies; I prayed for health, for bounding blood

> And thou has answered with this woe: Thy will be done. I did not pray, O Lord, for this; That friends should leave me lone and dr. That poverty should hedge me in. That I should work in care and fear, I prayed for home and wealth and bliss, That what I toiled for might be won; Thou hast denied the blessing still: Thy will be done.

I did not seek, O Lord, for night And sorrow darkening o'er my way, That I should look into the grave I prayed for light, that faces dear Hight greet me as the days went on, And they have vanished like a cloud-

For joy beneath the glancing sun;

Thy will be done, Thy will be done : thy will be done I trust thee, Eather, Mother, God! I trust thee though my flesh grows faint Though I am bur.ed meath the sod; Still trust thee, for in death's cold arms Thy presence is a beaming sun, All that is lost in the aye shines: Thy will be done.

Tales of Snakes.

A friend of mine had a python packed ready to go to the Calcutta holdings. Hearing the cracking, my

I was glad to slide down into the ed that pythons were not venomous. from the bite of one. My friend was \$5 fee-and so my deadheadism benot long in deciding to help himself. gan. My first wedding at the par-He sent down to one of the manufact sonage was a great event. It was on turing houses for a small piece of a cold winter day. The extra fire Grandfather Lickshingle and Dea- live charcoal. He tied his wrist to a was made in the parlor, and when the to upset one, without the immense casions—oasis in the scorching sands "There's entirely too much bitter- strain upon the nervous system caus- of ministerial pathways. I know of

Mr. Lickshingle, "and I regret it out My friend's hand remained in Conference who was called on to offiexceedingly. Now, when we wuz a bad state for a long while, but clate at a contemplated wedding four fatal. Gunpowder is sometimes em- him to the place, and on his arrival son's campaign, for instance. There exploded. It is supposed that this wedding. He was not even asked bully-raggin' like we see nowadays." | tiously. And the idea of exploding | Funerals in the country call for great "That's a fact, deacon," said old gunpowder in a wounded limb is not grace on the part of the parson. I

l shock. "He was a mighty good man, The fearful venom of snake bite is fee. I have even paid a livery hire, fully seen in the deaths which occa- receiving nothing in remuneration, "He was small potatoes compared sionally occur amongst elephants. It to attend funerals. Still, I am callto some men we have now, deacon." is the general practice to fetter ele- ed a "dead head," because I some-"Who d'ye mean?" demanded the phant's forefeet at night and let them times ride on railroads for half-fare loose in the jungle. When lying down when on ministerial duties. I have there's Garfield," said asleep they are sometimes bitten, and attended two pauper funerals in one

beast and results in death. from behind, otherwise the horns to pay you for attending my wife's

"See here, deacon, look at your would have somewhat impeded the funeral last June." Well, for once, I read the papers, old man, an' know | deer as it was feeding, wound itself round the body crushing the bones active deer. The snake scarcely gave

wuz murdered? Answer me that. Then we cut the body open, and If Wilkes Booth had failed, this found the deer, which was rapidly Hancock was ready to finish the job. decomposing. Narrating the occurrence afterward | truth, the next good sense, the third good parison with what snakes were able occurrences which take place in the "You're an old leper, an' I can country. The mahout I mentioned people. Friends jumped in, and the two native: A herd of wild elephants was hind, being, in fact, the last to leave full scope, for they let into the mind ; re-"Your man Garfield would never the spring. As he was hastening to strain the tongue, for it is a spender; few

trunk of the tree with its extremity, With every exertion the best man can caught hold of the elephant's hind do only a moderate amount of good; but He who refuses justice to the defence leg. The monster stopped and turnits seems in the power of the most coules will make every concession to the ed round to see what was the matter, powerful.

the topmost branches crashed to the ground. But the most marvellous part was that the trunk, having widespreading branches which rested on the ground, was raised a great distance from the earth. The snake, which still maintained its hold both on it and the elephant, was hoisted up with the trunk and took the elephant with it. Next day a party of villagers out for firewood, when a short distance from the tree, saw the novel sight of an elephant suspended (apparently) in mid-air. Upon closer aspection they found a snake was the connection with the tree, and one man got through the branches on to the trunk, cut through the snake, which immediately fell to the ground with the elephant and was crushed in the fall. The Hindoo legend needs

no comment. Snakes do not get on at all where pigs are kept; in fact, the former are almost strangers in the presence of the latter. Pigs are sometimes bitten, but do not seem to die; they bite at and eat snakes without much ado upon coming across them. Whether the sluggish circulation of a swine's blood prevents the poison from taking visible effect, or whether the thick coating of fat which generally finds place upon the frame of a pig prevents the snake poison from reaching the blood vessels, I do not know; at all events pigs attack snakes with impunity.

An old-fashioned weather indicator in England was a bunch of sea weed hung upon the walls of a house to tell whether fair or wet weather would be the order of the day. I have seen snake skins answer the same purpose, being stiff and dry when the sun was out, and gradually becoming limp upon an approaching

Snakes lay their eggs in clusters of seven or eight. Those I have seen have been rather smaller than pigeons' eggs, and stuck together as though they had run one into the other I have heard of Sonthailis eating them, but cannot say whether Zoological Gardens (this is a very this is so. I should think it highly probable.—Bradford (England) Ob-

> server. A Clergyman's Experience.

A country clergyman says in the many unwritten chapters of a clergyman's life in the country which would just \$500, with which I boarded my-

a little poison from a small snake day, for which the town paid the soon circulates through the massive overseer for his time, the doctor for his visits, the grave-digger and the As I was passing through the jun- undertaker, but I received nothing gle on one occasion a fearful odor for my services. Then I have attendassailed me, and I told the natives ed other funerals in all kinds of with me to make search for it. After weather, where interested parties, " awhile they came across a python in upon my taking leave, have said "Oh, I know what I'm talking caused by the decomposing head of a One man who promised to see me

felt the Lord had answered my

Thoughtful Thoughts. ALL the world may forsake an author, Modesty seldom resides in a breast hat is not enriched with nobler virtues. UGLINESS and beauty depend upon the caprice and the imagination of men.

A NOBLE part of every true life is to learn to undo what has been wrongly The first ingredient in conversation is In this great theatre of life it is permitted to God and the angels to be spectators, but all men must be actors. BE thou ever so amiable and disinterwill swear thou hast an axe to grind. It is not the number of promises a man makes, but the number he keeps, which gives him a position among respectable

THE greatest heresy that can deceive Hope never hurt any one-never yet

and by this the snake got a better hold, and wound itself about the elemind. If they are not toothsome let it

I do not want you so.

Go wander high or low,

With mountain winds aglow, When I, by dazzling gate shall wait, To meet and love you so,

SCORCHING SOL.

as to the amount of heat that the false idea that the temperature of the sun was vastly greater than the latest does not reach over 4,000 degrees at Any person who has made a new discovery or in-most, it will be seen how much be-

> The amount of heat received or the earth's surface, with the sun at the zenith, would melt an inch-thickness of ice in two hours and thirteen minutes. Since there is every reason to believe that the sun pours forth the same amount of heat in all directions, it follows that if the sun were surrounded by a great shell of fice one inch thick, and the diameter of the earth's orbit (186,000,000 of miles) its rays would just melt the whole in the same time. Now, supposing this shell to shrink in diameter, still containing the same quantity of ice by increasing its thickness, until its inner surface touched the outer surface of the sun, it would be a sheet of ice more than a mile in thickness, and the sun would thaw its way out in the same two hours and thirteen minutes. If this ice were formed into a rod forty-five miles in diameter and darted toward the sun with the speed

> centrated upon it. Or, put it a little differently, if we could build up a solid column of ice, to the sun, two and one quarter miles in diameter, spanning this inconceivable abyss of ninety-three millions of miles, and if

in a single second; one swing of the

er for the whole human race. Now, traction of the sun's diameter, and too sweet? All the girls in the school put off with the promise of one a litwhen such a large proportion of the the gradual liquefaction and solidifisun's heat and light passes off into cation of the gaseous mass. If the space, it seems a terrible waste. But sun does contract, heat is necessarily as space is full of isolated particles produced by the process, and that in of matter, which we encounter from enormous quantity, as the power of tion. I am really and truly positively into a corner of the rock and shut time to time as meteorites, we can gravity is twenty-seven times as in love with differentiation. Its difsee that, sooner or later, each solar great as, at the earth's surface, and ferent from molecules and proto glimpse of the sandy sea that is all rny reaches a resting place. Some the contracting mass is so immense, plasm, but it's every bit as nice. And aglow in the fierce sunshine; and only towards its planets; that the able suppositions, a contraction of on about it! I really believe he's mid there are multitudes of black action of radiant heat, like that of about 250 feet a year in the sun's perfectly bound up in it. This scarf objects creeping about like ants, and gravitation, is only between masses. diameter-a mile in 21 years-would is the Cook scarf. All the girls wear you know these are men and women shows that this is not the case. The emission. This contraction is so low energy radiated from a heated globe that it would be quite imperceptible takes in differentiation. s found to be alike in all directions, to astronomers. It would require and wholly independent of the bodies 9,500 years to reduce the diameter a that receive it; nor is there the single second of arc, and nothing less slightest reason to suppose that the would be certainly detectable.

its crust, the other half being inter- ning; time was when there was no all about ascidians, too. They are to perspire profusely, and to feel as cepted and absorbed in its atmo such solar heat as now, and the time the divinest things. I'm absolutely, if you would probably lay your bones clouds. But it does not follow that calculate the future duration of the mad an ascidian of my own I wouldn't on the spot. Resignation or despair the heat thus absorbed is lost to our | sun is a daring conception. Yet, ac- ask anything else in the world." earth, for the air itself becomes warm- cording to Newcomb, if the sun mainearth; and since the atmosphere in | have shrunk to half its present di- | Brooklyn girl, deeply interested. tercepts, also a large proportion of ameter in about five millions of years ate into space, if thus not blanketed, continue to be mainly gascous, and but they are something like an oyster the journey. He points you to the large snake of the boa-constrictor spethe temperature of the earth is kept its-temperature must have begun to with a reticule hung on its belt. I top, which, sure enough, is only a cies). It was put in a small box with were no air.

And now we come to questions rate for more than that length of tained? How long has it lasted al- in this manner.

such changes in the distribution of or for the development of heat by plants and animals within the last liquefaction, solidification, and chemtwo thousand years as must have oc. ical combination of The gaseous vacurred if there had been within this pors in the original or present state

can only say that, so, far as our ob- stored. If, as we believe, there has servation goes, the outpouring of so. | been no loss of energy or matter | lar heat, amazing as it is, appears to since the dawn of creation, some

that it is not a case of mere combus. | replace the old. tion. As has been said, even if the sun were made of solid coal, burning in pure oxygen, it could only last about six thousand years-it would have been nearly one-third consum ed since the beginning of the Christian era. Neither can the source of its heat lie simply in the cooling of its incandescent mass. Huge as it is, its temperature must have fallen Among many theories, two plausible ones have been proposed One of these finds the chief source of the solar heat in the impact of meteoric matter, the other in the slow contraction of the sun. As to the first, it is quite certain that some of the solar heat is produced in this way, but whether the supply of meteoric matter is sufficient to account for a great proportion, is a question. As to the second, there is no doubt that the contraction of the sun's mass could

that the sun is really shrinking A molecules."
quantity of matter equal to only we well me about the one-hundreth part of the What are molecules?" mass of the earth, falling annually crease would be only one thirty three the Brooklyn girl, enviously. millionth of the whole and it would