The expenditure of ingenuity, time, and money which has been going on for many years past in the endeavor to utilize hydro carbons as fuel under boilers for rasing steam testifies to the importance of the subject, while the persistency with which it to it scination and to the valuable chare er of the results which are ex-That success would mean an enormous saving in our solid fuel-coal-while cargo or, on long voyages, a double supply of liquid fuel could be carried. So long ago as 1830 Mr. H. Pinkus for steam-raising purposes and from that time down to the present engineers and inventors have not for any length of time, ceased to labor in the same direction. Richardson's peunder the constant notice of the officials in Woolwich dockyard, and in company to whom she belongs. 1868 the government permitted Wise, Field, and Aydon's system of using petroleum by the aid of an induced er on board a steam yatch. The same Sheerness a somewhat similar plan, practical resulting. In the same year by a sudden outbreak of inventive activity in connection with the subject | for liquid fuel in this country. In fact, the steamship Retriever, of 90 horse Times. power and 500 tons burden, and some very successful runs were made with her. But as far as the use of the system in England went nothing further being, we believe, that directly a demand was created for the class of price went up to a prohibitive extent.

the same year, one system tried there being that of M. Verstraet, a chemist. It was applied to a locomotive on the is even more friendly than usual, but the occasion of the emperor visiting Dieudonne, and Sainte-Claire-Deville. put in quarantine. made a run in the Puebla, a steamer | bitten by a mad dog the best thing to in which mineral oil was employed to do is to suck the wound at once, drawraise the steam for the engines. In ing as much blood as possible. This America liquid fuel has been used is far better than cauterization. Poboth on locomotives and in steamers, lice officers or other officials should be at one time, we believe, to a consider- empowered to destroy all dogs, whethable extent. But, notwithstanding the er under the control of their owners advantages offered in the way of cheap or not, who are in a rabid state, and plenteous liquid fuel, it would and also all dogs which may have seem to have but a very limited application in practice for steam-raising that means I should hope ultimately purposes. In Russia a very different to exterminate that terrible disease, condition of matters exists, inasmuch as for some years past petroleum re- velop itself into a real epidemic .fuse has been used as fuel in the locomotives on the Grazi and Tsaritsin railway in southeast Russia, the first trials on that line having been made in 1874. Beside this numbers of steamers are now running on the Capsian sea which are using liquid fuel. Moreover, in consequence of the comparative scare ty and dearness of petroleum in this country, a fleet of large tank steamers is being built by the Russian Black Sea Navigation company to bring the Russian oil to

Europe in bulk.

In view of the undoubted importance of the liquid fuel question, it vinced that that was what she needed. will be interesting now to notice its At last, after carrying out several latest phase as brought under our no- schemes in his mind, he decided to put Himalaya. This is a trading vessel of | which he did, leaving it on the dinner tons burden. She is 210 feet long, porch where he could see the fun from with 28 feet beam, and is fitted with compound engines, driving a screw long to wait, for no sooner had pussy brick lining with apertures on the the outside of the milk. Softly the through which the heat passes to the When he regained his senses a few more correctly be called, the combus- quarter of a mile from home in a corn coil of iron pipe, one end of which is nakedness. He tried to remember the boiler and the other opens out at til he arrived at the gate where his for the purpose of superheating steam | to tell the tale was a large hole in the an induced current is set up which ing to a tree near by .- Feck's Sun. carries the petroleum forward into the combustion chamber. In order to enable it to do this the petroleum nozzle is placed within the steam pipe at the opening where it delivers its jet, so that an annular space is formed, through which the steam rushes, and, combining with the small but regular flow of the oil, produces a large body of flame within the chamber. The oil is stored in tanks on the main deck, whence it flows by gravity to the delivery nozzles at the furnaces. The whole apparatus is very simple and eas ly adjustable; one important feature is that in the event of oil not being him?" obtainable in any port where fuel is required it can be removed, and the fire-bars for burning coal be replaced in a very short t me. Another important feature of the system which we should mention, is the invention of Mr. Percy F. Tarbutt, in the method of starting the furnace, which is effected by a very simple arrangement, whereby sufficient steam is quickly raised to start and maintain combustion until the steam pressure in the boiler in suffic ent for that purpose.

The Himalaya was purchased by the | but I have more real enjoyment than Marahu Petroleum and Oil Produce if I did," replied Col. Yerger. company, and by them has been fitted with the apparatus we have described of this vessel is stated to be 240 tons, am bound to win either way. I can't and her consamption of that fuel is be beat."—Texas Siftings.

put at 9 tons per day. She will now carry 90 tons of oil, her consumption of liquid fluid being put at 31 tons per day, thus giving, as we have already observed, a great increase of cargo capacity. A large party of engineers and other gentlemen interested in the present question visited the Himalaya on Wednesday and inspected the furnaces and oil equipment of that vessel. Although only that morning completcontinues to be pursued bears witness ed, the apparatus worked very well, combustion being nearly perfect, as evidenced by that very small amount pected to follow practical success. of smoke that issued from her funnel. A fairly steady steam pressure of fiftyfive pounds per square inch was mainour steamships would be relieved of tained, the steam, of course, being some 50 per cent of their fuel weight, blown off as made. The demonstrawhich could either be assigned to tion, in fact, was perfectly successful. The ship will start to-morrow upon a trial trip to Leith and back. She will be accompanied on the trip by a board claimed to have used hydro carbons of trade surveyor, as well as by one of in conjunct on with streams of vapors | Lloyd's surveyors, both of which departments are evincing great interest in the trial. After that she will proceed to Glasgow to take in a cargo which she will carry to Brazil. It is then intended to employ her for tradtroleum furnace, as well as that of ing purposes along the coast of Brazil, Bridges Adams, was for many years her supply of liquid fuel being obtained there from the works of the

Such is the latest phase of the liquid fuel question, which appears to be nearing solution as regards steamcurrent to be applied to a marine boil- ships. It appears to be clearly demonstrated that petroleum can be used system had been previously applied to as fuel. The only disturbing element a Cornish botler at some large works as regards commercial success here is in London. The admiral also tried at the uncertainty and the cost of the supply. This difficulty surmountedinvented by Mr. S. E. Crew, but, as in | and it would seem that Russian enterthe Woolwich trials, without anything prise is about to make an attempt to surmount it-and prejudice and conwhich appears to have been marked flicting interests overcome, there would appear to be a hopeful future of liquid fuel, Dorsett's petroleum Wednesday's demonstration looks like furnace was fitted under the boiler of the beginning of the end .- London

Hydrophobia in Its Earlier Stages. I wish to diminish the terrible effects of hydrophobia by pointing out appears to have resulted, the reason how the disease may easily be noted in its earlier stages, and preventive measures at once be taken. If an aniliquid fuel used, and which at that mal slabbers from the mouth, and has time was a drug on the market, the a hanging of the lower jaw, accompanied by a peculiar change in the bark, In France corresponding attention it is a clear case of dumb rabies, quite was paid to the same subject and in as contagious as the other form. The other form of rabies is more dangerous, because the dog knows his master and Eastern of France railway, and upon exhibits a strange nervousness, snapping at anything that offends him and the camp at Chalons the train was having that peculiar rabid bark which, drawn by the engine thus fitted. His once heard, can never be forgotten. majesty rode on the foot-plate of the If there is the slightest alteration in engine in company with MM. Sauvage, the bark of a dog it should at once be

year his majesty also If any one has the misfortune to be been bitten by a rabid animal. By which, without some check, may de-Cor. London Telegraph.

Hadn't Long to Wait.

A gentleman living at Auburn, Ill., until quite recently was the very unhappy owner of a cat whose happiness was never complete save when stealing something to eat from off the dinner table. He tried coaxing and then beating, but all to no purpose. Finally in an evil moment the idea came to him that perhaps a little sudden surprise would tend to make the feline mend her ways; and the more he thought of it the more he became cont ce on Wednesday in the steamship some dynamite into a saucer of milk, 100-horse power, nominal, and 800 table. He then stepped out on the a distance, and waited. He had not propeller. The boilers have three been left to herself than she sprang furnaces, each of which has a fire- up on the table and began to get on principle of the Semens regenerative man laughed to himself, but his joy system. At the end of each furnace was of short duration, for suddenly is a fire-brick baffle having an opening something burst and he knew no more. tubes from the furnace, or, as it may hours later he found himself about a tion chamber. In this chamber is a field, with only a rock on to cover his connected with the steam space of what had happened, but couldn't unthe door of the chamber. This coil is home once stood. All there was left taken from the boiler, and by which ground, and a piece of cat skin stick-

Couldn't Stand It.

"Are your parents living?" an Arkansaw school teacher asked of a boy.

"Mur is, but pap ain't."

"That's bad." "What's bad? That mur's livin' or that pap's dead?"

"It's bad that your father is dead." "Yas, the man that had a mortgage on the crap said so."

"What was the matter with your father?" "He couldn't stand prosperity."

"Why, how did prosperity kill "Wall, ole Bill Simmons give pap a whole jug o' whisky an' it was mor'n he could stan'. He done his best, but

she downed him."-Arkansaw Trav-A Sure Thing of It.

"What interest can you have in reading the 1 st of prizes in the Havana lottery? You never buy any tickets," asked Kosciusko Murphy, on seeing Col. Yerger pursuing a paper. "I know that I never buy a ticket,

"How is that?" "You see, I pick out a number. If in order to practically and commer- it wins I am as much tickled as a man cially test the system. She will, how- can be, and go on a tear. If my numever, eventually be renamed the Mar- ber don't win, then I have saved the ahu, after her owners, the Marahu price of the ticket, and I celebrate my company. The coal-earrying capacity e-cape with the money I've saved. I

Keeping Clerks Honest.

Clason Graham drew the money on check for \$26,000, signed by his employers, Spencer, Trask & Co., oil brokers, and took a train for Canada, but was stopped on the way only four hours later, both man and money being back in town next day. The quickness of suspicion and action in had been good, writes a New York to be published after his death, which correspondent to The Philadelphia would probably occur some time this given bonds to the firm for honesty, and his bondsmen were one of the panies that have lately come into use and Bissell, a naturalist. His preparation insure employers against loss through ing available friends to take the risks. Not less than six thousand men are

already bonded in this way by the companies, among whom brisk rivalry has already arisen. Visits to their offices show large premises and numerous clerks, indicating far more labor than would be requisite for merely trammed and burning." In his pockthan would be requisite for merely making out the papers and dealing with the customers up to the point of dressed to the editor of the Enquirer, completing the bonds. The explanation is that the most elaborate sysems of watching the insured men, and registering their habits, is in operation, and already the extent and thoroughness of the espionage has become an acute nursance to its subjects. To feel that his actions may be under surveillance by a spy is annoying in many cases wherein the man is wellbehaved, and much dislike of the new order of things has developed, but there is no escape, because the existence of the companies provides so reasonable an excuse for individuals to decline to be boudsmen that there

is no escape. Railroad employes, bank clerks, court officers, and all sorts of financial officials are chiefly the men involved. Before making the bonds the persons' characters are investigated as fully as possible, but that is no complete protection, for one pany has already lost \$10,000 through Paying Teller Charles A. Hinckley, of the West Side bank, and Teller F. J. Dieterichs, of the were above reproach, and one seemingy pious. The preference is for employes of institutions subject to state Nearly all the men in the New York postoffice and over half of those in municipal offices of finance are now amount of insurance.

looseness of conduct is observed. In moment when he cashed the big check nephew, Carbon Wheeler, deceased. a spy had him in sight and did not guit him until he took the cars. Then would look for orders at Springfield, as poss ble. Yours confindingly, where the train would make its first stop. Hasty inquiry of Spencer, Graham was absconding with \$26,000, and word was wired to Springfield to came to the editor's hands:

A feature of the new business is a registry called the "List of Unreliain which the particulars of every obtainable case of probable or actual misdoing by an insured man are noted. The books of one establishment contain about twenty thousand names, another fourteen thousand, and there are not less than fifty thousand altogether thus recorded, comprising railroaders, bankers public officials, and other fiduciaries. The life; away they go like shadows playamount of money stolen by trusted ing before moving objects. Time nearly \$300,000 paid from one office. But the bonded men are aware of their positions, and a consciousness of being under scrutiny has become one of dead and sleep with them the sleep of combustion was only developed on the common sensations of their lives.

Low Water in the Wabash.

A rural schoolmaster in Indiana life. asked a pupil named William Scott, river in the world, and William per- decay and are locked up in the icy sult, a stranger appeared and knocked sweetest love songs sing and all naon the door.

"Is this the skule teacher?" he pleasantly inquired.

"Are you the critter as licked Bill Scott fur sticking up fur the Wa-"The same, sir."

"Wall, Bill happens to be my son, and I've come fur to gin you the autullest whalin' ever you writ down

in geography.' Can you wait until I am through

"Oh! I s'pose so, but under the cir-

husked, ye know." "Certainly. I never keep a gentle-

down on the wood pile, Mr. Scott. arise, giving births to new-born flownine minutes." At the end of the appointed time the nature, too, making the strutting flowteacher reappeared and at once rush- ery peacock.

ed upon the waiting Mr. Scott and Life is a struggle full of care and Scott said he had all he wanted, and

"Which is the longest river in the world?"

"The Amazon, sir."

for me. You've licked it into me in the most honorable of all deaths. fust-class style, and when I git home My philosophical religion enabled

Mex'co has under way a scheme for import- your God?" ing Chinese labor for the development of her agricultural and mineral resources, native labor being inefficient.

A PHOPHETIC DEATH.

an Aged Man Fulfills a Prediction and Drops Dead-His Autobiography-His Methodical Life-His Will.

Early last spring an aged man walked briskly into the Enquirer office, and, with a very brief, preliminary stated that he wished to leave in the case of a man whose reputation charge of the editor his autobigraphy, News, was due to the fact that he had fall. He also wished to leave the names of friends to whom papers containing an account of his death were here in New York. These concerns tion was fulfilled yesterday morong doctor nor took any drug-store poisons at the Hummel House, where, in the the thefts of employes, and relieve the office of the hotel, while walking, he death in my 85th year. I was selflatter of the often difficult task of find- threw up his hands, and, with ne other raised and educated from 4 years old, sign, fell to the floor a corpse. He had been exceptionally cheerful all life without compass or rudder to the morning, and at the breakfast steer through a long voyage. table had eaten heartily.

He had confidently predicted that he would die this fall, and, as the et was found a sealed envelope adand on it was written, "Drop this letter in the letter box at my death."

The following was found enclosed: "CINCINNATI, 1885.—DEAR EDITOR absence with Mr.— a letter for tropics.
publication at my death. Please do I have not forget it, as Mr. --- said he would look it up and publish it at the proper time. Yours confidingly, RICHARD BISSELL,

"Eighty-five years." The following directions were also

found on his person: CINCINNATI, September 2, 1885 .-N. B.: I have a letter in the hands of the editor of the Enquirer for publication. Please call on him and give very feeble in mind and body, and can not live but a short time.

R. Bissell, 85 years. To Mr. J. Coplock, Esq., Sr.: I have about \$90 in my trunk to pay board R. BISSELL. while I live.

In addition to other arrangements for his last sleep, which will be read Laclede bank, St. Louis, both of whom further along, this methodical old gentleman recently purchased a handsome monument, paying for the same \$250, and had it all inscribed, even to investigation annually rather than the the year 1885, leaving only in blank handlers of money for private firms. the month and the day of the month. His last will and testament was not

forgotten, and here it is: CINCINNATI, O., October 15, 1885.included in the risks. The charges My DEAR ALICE WHEELER: I send range from a half to 1 per cent, on the you in another envelope my Pomeroy National Bank stock for \$2,000, and The principal business is detective. my Norton Iron stock for \$1,000, and Every insured person is watched, and my Ohio Machine Company stock for very closely, too, if the slightest \$750, all of which I present to you as a free gift; also, I give you my house the instance of Clason Graham a de- you live in in Middleport, and the tective reported that he was becoming money I have placed to your credit in a lounger about town at night, and the Pomeroy National Bank, all to apparently was spending more money be used for the benefit of Sallie, Nellie, than his salary could provide. At the Carbon and yourself, children of my

I advise you to choose Samuel Bradbury your trustee, to do your business, the detective telegraphed to the com- by all means, and keep under his conpany that he was going to go to and trol, and the whole of my gift as still RICHARD BISSELL.

The autobiography for which the old Trask & Co., brought out the fact that gentleman expressed a good deal of solic tude is herewith inserted as it AUTOGRAPH OBLUCARY. RICHARD BISSELL, NATURALIST, OF CINCIN-

NATI, IS DEAD. I DIED, AS I HAD LIVED, IN LOVE WITH ALL NATURE. Lament. When these lines are read I'll be conffined with no tears shel, Becau-e no kis dred in the West

To lay me lonely at rest. Adieu. I ve worl I of sinners; I go where graves are winners. Pay no young priest to pretend to pray me out of my grave for money. They come and dance the jigs of

employes is not dreamed of by the brings all on a level, the king with public, as proved by the aggregate of the beggar, and all sleep together in the great womb of Nature. My turn has come when I must join the innumerable throng of billions of that knows no waking in that vast

Every step taken on so l presses on what was once vegetable and animal Fall and winter are the right seasons the orther day, which was the longest of the year to die, when other things sisted in crediting that honor to the embrace of winter, but vernal spring Wabash. As a result, he went home and summer are the right times to with a taned jacket. As another re- live, when birds in early spring their ture bursts into new life, and in sum-

graveyard covering the whole earth.

gaudy flowers. The great drawback on dying is that one does not wake up mornings to greet friends and to read the daily papers, thereby losing all

mer the green earth is covered with

If life was a thing to buy, the rich would live and the poor would die at once. But life is like a "snowflake on the river-a moment white, then gone with the class in spelling?" asked the forever." It brings a pang to know life comes not again to the same individual, but out of its sad decay other cumstances I hope ye'll cut it as short creations of lives arise spontaneously, cas on, or in two minutes for the as possible. Haven't got my corn as matter never dies, but lives on in other forms, like the leaflets that fall to the ground all sere and brown ere man waiting when I can help it. Sit lang mingle with the soil and buds I'il come out and pulverize you in just ers. The elements of bones and feathers are in the new-born egg, and the hours, so that the latter has an econ-

blacked his eyes, broke his jaw and trouble; its greatest pleasures are of flattened his nose. By and by Mr. shortest duration. Yet if I was asked what I most desired I would say give 100 annually. This is a curious inme back my youth.

It should be considered a sin and a disgrace to die prematurely, proving violations of natural laws, but to die "Am-a-zon. Please write it down with old age should be regarded as

and git my paws onto my son Bill he'll me to live alone with myself and to die feet with! Am-a-zon! Good by, crit- thought he was dying, became alarmed and sent for his priest, who said:

"No, your Holmess; it is the other gentleman I'm afraid of." As I have none here to linger by my

grave, I invite passing friends to call at my lot, No. 141, section 110, Spring Grove Cemetery, where I can be found at home by my monument at all times, since none move out of the city of the [amented dead of over 40,000 inhabi-

SKETCH OF MY LIFE. I made my first yell in my mother's

bed-room without a shirt on January 1, 1801. Life left me —, 1885. I have lived in Cincinnati since 1860. I grew up on a farm in Connecticut. I am of French-Huguenot stock and English origin. My ancestors came over 235 years ago and settled on a farm in Massachusetts. I never had a in my life, and thereby died a natural when I was left on the stormy sea of

At 17 I was a school teacher and taught boys of 18 years how to think properly.

Subsequently I practiced the humbuggery of medicine, which is experimenting and guess-work, like a halfblind man going out to shoot birds or rats. I refer to doctors, not surgeons.

Then I was a traveler and stood upon the banks of the Rio Grande; visited the tombs of the Presidents and saw -When you get this I'll be dead at some of the renowned people of our the Hummel House. I left in your country and the nobility within the

I have now gone where lodgings are free, into my house the grave-digger made for me; to play hermit for my own amusement, till Gabriel calls for saints and sinners to arise and put on their running clothes.

Thus ends my eventful life in my 85th year, yet my evil deeds will live in voices, while my virtues will be written in sand. I gave my assets to relative orphans and otherwise before my death. I have many distant relaparticulars of my death, etc. I am tives living in New England and York State, but my near ones have gone to kingdom come, or where the "woodbine twineth." RICHARD BISSELL, Naturalist.

Coroner Carrick held an inquest on the body of the eccentric and prophetic old gentleman and found that death was from exhaustion consequent on old age. - Cincinnati Equuirer.

History of the Match.

[Fr. m an Adiress by President Payfair, of the British Association.

"Let me take a single example of

how even a petty manufacture, improved by the teachings of science, affects the comforts and enlarges the resources of mankind. When I was a boy, the only way of obtaining a light was by the tinderbox, with its quadruple materials, flint and steel, burnt rags or tinder, and a sulphur match. If everything went well, if the box could be found and the air was dry, a light could be obtained in two minutes, but very often the time occupied was much longer, and the process became a great trial to the serenity of temper. The consequence of this was that a fire or a burning lamp was kept a ight through the day. Old Gerard, in his herbal, tells us how certain fungi were used to carry fire from one part of the country to the other. The tinderbox long held its position as a great discovery in the arts. The pyxid:cula igniaria of the Romans appears to have been much the same implement, though a little ruder than the flint and steel which Philip the Good put into the collar of the golden Fleece in 1429 as the representation of high knowledge in the progress of the arts. It continued to prevail till 1833, when phosphorus matches were introduced, though I have been amused to find that there are a few venerable ancients in London who still stick to the tinger-box, and for whom a few shops keep a small supply. Phosphorus was no new discovery, for it had been obtained by an Arabian called Bechtel in the eighth century. However, it was forgotten, and was rediscovered by Brandt, who made it out of very stinking materials, in 1669. Other discoveries had, how ever, to be made before it could be used for lucifer matches. The science the discovery of oxygen a century later. Time had to elapse before chemical analysis showed the kind of bodies which could be added to phosphorus to make it ignite readily. So it was not till 1833 that matches became a partial success. Intolerable they then were, dangerously inflammable, horribly poisonous to the makers, and injurious to the lungs of the consumers. It required another discovery by Schrotter in 1845 to change poi sonous waxy into innocuous red brick phosphorus in order that these defects might be remedied, and to give us the safety match of the present day. Now, what have these successive discoveries in science done for the nation in this single manufacture, by an economy of that transpires in this live world of time? If before 1833 we had made the same demands for light that we do now, when we consume eight matches per head of the population, the tinderbox could have supplied the demand under the most favorable conditions by an expenditure of one-quarter of an hour. The lucifer match supplies a light in fifteen seconds on each ocwholeday. Putting these differences into a year, the venerable ancient who still sticks to his tinder-box would require to spend ninety hours yearly in the production of light, while the user of lucifer matches spends twelve omy of seventy-eight hours yearly, or about ten working days. Measured by cost of production at 1s. 6d. daily, the economy of time represented in money to our population is £26,000,stance of the manner in which science leads to economy of time and wealth even in a small manufacture.'

A Quick Response.

A New London boy, with a milk pitcher in hand, fell headlong down the back stairs. He had regained his come to believe that there hain't nuff alone w'thout a murmer. I am not get and was brushing the dirt trom his water in the Wabash to wash mother's like the Irishman, who, when he clothes when his mother appeared at the head of the stairs and asked: "Did you break the pitcher?" "Nc, I "Pat, I hope you are not afraid of didn't; but I will," was the quick response. And he did .- Hartford Times.

> A new chapel to cost \$250,000 is in process of erection at Lehigh University.

PERSONAL AND IMPERSONAL

A BILL to prohibit prize-fighting i pending before the Oregon legisla

THE new Philadelphia postmaster Mr. Harrity, has 790 appointments in

his gift. SULPHUR is deposited on the top of Mount Popocatapetl at the rate of s ton a day.

A HEAVY shower of angle-worm:

fell upon the snow at Truckee, Cal. last week. THE latest list of American beetles

describes 9,490 species on this conti nent alone. THE four sons of Lieut. Kislingbury, of Arctic fame, receive a pension o

\$10 per month. THE rector of a fashionable church in Utah is spoken of as the "Apostle

of the Genteels." JOEL CHANDLER HARRIS is credited with \$7,500 as the annual product of

his humorous pen. SENOR V. QUESADA, the Argentine Confederation's minister at Washing ton, is at home a writer of eminence

on legal topics. ARCHBISHOP GIBBONS, of Baltimore, is now taking his annual vacation, and is visiting his sister, Mrs. Swarbrick,

in New Orleans. J. B. Downs and wife, of the Isle of Shoals, both nearly 80 years old, propose to spend the cold weather this season in Portsmouth, which will be their first winter on the main land.

A Young bridal couple of South Carolina are on their bridal tour in a wagot with ten bushels of apples and one bushel of chestnuts. They are saic to be quite young and to appear extremely happy.

REV. EDWARD BICKERSTETH, a son of the bishop of Exeter, who worked so hard as head of the Cambridge mission at Delhi, has resigned one of the best livings in Suffolk, England, for the missionary bishopric of Japan.

THE supply of coal on the globe is not likely to be exhausted very soon. Enormous deposits have been discovered in China, the area including a district larger than the coal fields of Pennsylvania, yielding the best anthracite.

Examinations of the painted wine dows of the ancient cathedrals of England and continental Europe show that their superiority consists really in the imperfection of the glass. The waves and threads and blisters refract and reflect the light, thus giving the window panes an added beauty.

Ir may be said that one-half the world does not know what the other half eats. At a large bakery in New York the bread that is two days old and hard as a rock is sold to Italians for almost nothing. After they soak the dry bread in stale lager and partly rebake it they sell it for the nourishment of other Italians.

A PROJECT is on foot for introducing in London a new style of four-whee cab with many improvements on the existing vehicle, an important modification being that the cab can be readily used as an open one. The new cabi will be well-horsed and well-driven by men in uniform. Improved hansom: are also contemplated, and it is proposed that for both descriptions of vehicle the fare shall be sixpence per

THE Indians of Guiana have only four numbers in their system of nu meration. They count by the hand and its fingers. Thus, when they reach five, instead of saying so they call it a hand. Six is, therefore, a "hand and first finger," seven "a hand and see ond finger," and ten is "two hands;" but twenty, instead of being "four hands," is a man." Forty is "two men," and thus they go on by twen ties. Forty-six is expressed as "twe men, a hand, and first finger."

THE pass on for relies has curious phases. Sticks and stones, grass and weeds are common forms of gratification of the relic-hunters; articles of personal apparel, furniture, and chips are other means enjoyed. A cat-o'. nine-tails is certainly unique and would not be supposedly a desired relic, but after the sheriff at Chester, Del., had performed his duty of chastising two offenders at the whipping post, a New York gentleman pur chased the cat-o'-nine-tails for \$5 and carried it off with him as a memente of the occasion.

Many of the old railroads in the south in existence in 1880 have beer purchased since by syndicates and vastly improved and extended so as to develop new territory or make new connections. Besides, this, however, many millions of dollars have beer expended in build ng new roads, and a wonderful impetus has been given to the development of the resources o the south. The increase in mileage alone in five years has been 9,32; miles. The smallest increase of an state has been in Maryland-4: miles-and South Carolina comes next in smallness with 136 miles. Virginia shows an increase of 794 miles, which is exceeded by only two states-Texaand Arkansas.