SCIENTIFIC AND INDUSTRIAL,

The Edison Electric Light company has three farms in Japan devoted to raising bamboo for carbon.

According to the latest results of the finest instrumental tests as to the propagation of electricity, an electric signal travels at the rate of 16,000 miles per

Cotton waste is now used in conjunction with straw and ashestos in building and makes a durable slab or block for building purposes.

Recently the dome of St. Peter's, in Rome, was reclad at an expense to the Vatican of \$40,000. The old sheathing required such continuous repairs that it was deemed better to replace it. The sheets of lead which now cover the dome weigh 708,610 pounds, and would extend over more than an acre and a half of land if they were spread out flat.

Another danger is added to modern housekeeping. Dr. Austen has discovered that water containing organic matter will, when under pressure, dissolve compounds of lead, zinc and copper more rapidly and in much larger quantities than when pure and under ordinary conditions. He claims that many cases of dysentery result from drinking such water that has stood all night in lead or zinc pipes.

A Boy's Ambitions,

Eearly everybody who is now a man, says the Through Mail, was once a boy. All these grown-up boys remember how they felt the first time they ever saw a brass band. They felt that the President of the United States was not to be compared to the editor of the base drum, and that the drum-major was at least six" inches above George Washington in the temple of fame. Oh! how they did yearn to belong to a brass band, until a circus came along, and then, how they longed to be the fearless eque trian or the man in the lion's cage. Congress had no charms for most of its present members when they were boys. To be a bareback rider or drum-major was infinitely greater than to be a member of Congress in their youthful eyes.

Then came a time when their hearts were set on becoming a brakeman on a railway train, and when the vision of promotion to the conductorship of a train floated across their dreamy optics they were in the fifth heaven of delight. Time wore on, only to rub the glitter of the railway service off, and supply its place with grand aspirations for the position of umpire of a baseball game, which was rapidly succeeded by an inordinate ambition to be the victor of a prize-ring. After being knocked out in one round by nearly every boy in the community, ambition again underwent a metamorphosis, and the one thing of all things desired was to be the reigning monarch of a barber-shop, or the un-trammeled commander of a volunteer fire-brigade.

In due time all the tinsel of these high callings was but dross to them, and to die on the battle-field, breathing some patriotic sentiment as the sands of life ran away, was the one high aim of existence. After one encampment with the home militia, with beans and hardtack for menu, and hardtack and beans for desert, and a finger accidently shot off for fun, no further anxiety to spill blood by the gallon for their country was manifested, and they longed for more agreeable pursuits incident to the tranquit surroundings of peace.

At about this point their desires took a different turn. Their hearts glowed with a nobler impulse, and there was a trifle more of a determination to do in their composition. One determined to teach school, and did so. To be sure, he was surprised that life was not one continual round of uninterrupted joy in his new calling, but he worries along, and the next spring enters a law office and becomes a disciple of Blackstone, The next autumn he reverts to schoolteaching, and school-teaching is sandwiched into his life in various ways and at numerous periods afterward, until he becomes an editor, and the prize-ring experiences of his youth are repeated again. Some years later he is elected to Congress, and then the old ambitions are forgotton and give place to designs upon the Senate. Only a few of them ever getthere, and they at once feel the humming of the presidential bee in their bonnets, and eventually become candidates before the national conventions of the great parties, and all but two getand when the election is over one of those two is also left.

A Bear-Man. This is the name given to an extraordi-

nary youth who has been exhibited in Berlin and other continental capi-His peculiarities are an extraordinary growth of silky, fair hair, especially on the face, and an equally extraordinary deficiency of teeth. Unless it may be in the color of the hair, there is not the slightest resemblance to a bear in the boy. The growth of hair on the face, especially about the eyes, nose and ears, does, however, strougly suggest the as-pect of a terrier, and the position of his reteeth also suggests the resemblance Professor Virchow, of Berlin, mid, has likened him to the terrier The name bear-man has been given to the boy to distinguish him from his father, a man with similar peculiarities, who some ten years ago was exhibited on the Continent as "the dog-man." According to his guardian, a Mr. Forster, the father and this lad, then about two years old, were discovered in one of the Russian government forests. The man, who is now dead, was a thorough savage, and nothing could be ascertained from him to throw light on his antecedents or the history of the boy. The lad has been given the name of Theodor Jewtichejew. He is of an adiable disposition and is quick to leare. He has received some e lucation in St. Petersburg. He speaks. German and knows a few words of French

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ted in America

IN "THE LAND OF REFUGE." from pasture, and all the

A QUEER LITTLE COMMUNITY IN OHIO

People who Keep to Themselves—The Founder of the Sect of Tourites and Ris Views.

About midway between Columbus, Cleveland and Wheeling is Zoar. "Land of Refuge," a stout German boy told me houses. It is formed into a paste which it meant, and anyone who has been here in a very short time becomes very hard | can see why the name was chosen. One can not travel much in Northern Ohio without hearing of the Zoarites, and so I came down to see them. In 1817 a band of about 250 Germans from Wurtemburg landed in Philadelphia. They were under the lead of a man named Pimler, who appears to have been a remarkable character. They belonged to the sect known as "Separatists," who acknowledged no other authority whatever than Jesus Christ and held all things in common. It is clear that they had no very happy time of it in the fatherland. In Phila delphia they found a man who had 5,000 acres of land out here to sell, He asked them \$15,000 for it, and as they wanted to get as far away from everybody as possible, they scraped all their money together and bought it. Only three of those who made the trip over the moun-tains are now alive. When the colony arrived here no money was left and they were about broken down. The first thing done was to build a big brick house for Pimler, with walls twenty-two inches thick, which is known all the country round as the palace. Then they went to work clearing off the wood, building houses and shops of all kinds, until they could boast that not one thing necessary in their simple life did they

If the world bad let Zoar alone, Pimler and his followers would have been happy. But the country round about them fitled up. The boys and girls who had been taught only German in the little village school, had to learn English, while some of them showed a denire to get out of the hum-drum little village, where they could look forward to a broader life. Contact with neigh-bors had its effect and the old Zoarites mournfully told me that things are going to the bad. Zoar is not what it used to be, but it is interesting even now.

Pimler's idea was to isolate the colony from anyone else. So woolen mills were built, a flour mill, a smithy, and among the men were always mechanics of different trades. He intended to keep his ranks full by additions from home, but after the first lot of arrivals in 1833, he gave that scheme up and introduced instead marriages, which up to that time had been forbidden. His associates, or rather servants, seemed to take his orders without question. For a time he tried taking Americans, but the Zoarites found that they were too restive to be good for much, so that in late years their numbers have been kept up almost entirely by births. The settlement has numbered as high as 300, but to-day there are not over 250, and they are slowly decreasing. While Pimler lived he was the government; he settled all the disputes, held the money, picked out boys to marry the girls, and preached in church on Sunday. It was a nice time that Pimler had. The religion that he taught them was simple. They were to acknowlddge no other authority, outside of their own magistrates, than the Bible. since his death, sisted of three "trustees" elected for three years, subordinate to a committee of five, which meets only occasionally, and the "trustees" reelly have things their own way. Before his taking off, he prepared a constitution which is carefully kept from public view; and by which this little republic is governed, His chief feature is that so long as three of the society keep together the property is indivisible. In the courts, some of the discontented ones have tried to have it divided, but it has been settled that this cannot be done while three hold out. In 1853 Pimler died. For a good many weeks little else was heard in the village save the click of the wooden shoes of the people as they went slowly about their tasks. Now the oldest men sit around their houses at night and mourn for him. One of the trustees lives in the palace, but Pimler's rooms are not disturbed. While the children are taught both German and English, nothing is spoken among themselves save the former. So far is this carried that some of the young men have for-gotten how to speak English. One of them, a sly chap, told me that he hoped to be trustee some time, and it was good

policy to pretend not to like English. This is the way they live. No one has any money except the cashier. He is one of the trustees. Everything that is raised is brought to them and put into the storehouse. No one sells a cent's worth but these same trustees. Once a year a man is sent to Philadelphia to buy the annual supplies. They are displayed in a large store, tended by two of the young men. If one wants a shoe-lacing, a bedstead, or a bushel of corn, no matter what, he goes to a trus-tee and gets an order. The trustees take care that no one overdraws his fair allowance. If a young couple conclude to marry, a justice is called in, the trustees assign them to a house, and they begin to draw their supplies from the store. Perhaps they have a paby. The trustees give an order for a cradle, if none of the old ones happens to be out of use at the time. When a death occurs the carpenter makes the same kind of wooden coffin that the Zoarite have always used, and they bury him in the little graveyard with a wooden cross at his head. said above, while Pimler lived he preached to them. Since then they have had his old sermons read and re-read in turn, so that, if any of them ever stopped to figure it up, he could tell to a day just when the turn of each would come. But on Sunday not more than half the village is out to the trim brick church. I went to one of their services. It was and English. is dances and plays the concertina and greatly delighted when he evokes applace. He is to be exhibireally touching to hear the old German songs, and those hard-headed, grayhaired men listening to the remarks that Pimler made to some of them fifty years ago. They say no ministers now come up to him, and bewail the indifference of tal gets \$23, and the youngsters.

This sounds like the story of a gloomy

girls take their pails to go thilk them. I watched them do it. Some were pretty, They said they were happy and well contented, though one confessed she thought it a trifle dull. She had been allowed to visit friends in Pittsburg. Occasionally a boy runs away, but the girls do not dare to. Why with their beer-making, mills, shops, and other industries, the Zoarites are obliged to hire most of the farm work done. Each morning the fifty laborers meet in the square, and are told off to their work. They manage to keep up the Zoar custom

in one thing-the beer they drink. The community has grown to be very rich as an organization. It owns 7,200 scres of land, which, with the improvements is worth \$500,000. The live stock and earnings variously invested are of equal value. Two of the trustees told me that they felt that Zoar had seen its best days, but the people there, for all I can see, will stay and grow rich, until they die out. - Cor. Boston Advertiser.

An Alaska Devil-Fish.

Victor Hugo's description of the devilfish, says a letter from Alaska to the Boston Herald, has always had for me a terrible fascination, but here in Alaska, this land of wonders, the Indians recount stories equally startling, and almost all of them substantially corroborated by good testimony. Only yesterday an Indian hooked up from one of the wharf-posts an octopus five feet from tip to tip, and to the query "What are you going to do with him?" answered "Me eat him," and, in fact, with them the flesh is esteemed a great delicacy, although, when alive, the animal is an object of terror. The flesh, when boiled, s perfectly white, and tastes something like cods' tongues, but, while eating it, the recollection of what the dainty was when alive takes away all enjoyment. It is not such a harmless amusement, this fishing for devil-fish, and one which everybody would choose for an afternoon

There is only one really skillful fisher in town, a mission boy who fearlessly wades into the water near their haunts, and, seizing the animal, tears him from the rock. Of course; his Satanic majesty resents the intrusion upon his rights and retaliates by winding one or more arms around the limbs of the boy, but with a quick and peculiar motion the Indian tears them off with a noise resembling the ripping of heavy cotton cloth, at the same time slitting open the sack of the animal. It is a dangerous proceeding, and one which makes the beholder cringe to see the soft, slimy arm of the octopus winding itself around and gradually taking hold with its innumerable suckers, surely and gradually drawing its victim down. Only on one occasion, historically speaking, has one of these creatures been found of sufficient size to attack a canoe, and one Indian was the only survivor.

Aerial Navigation: This great problem has been solved, it the French journals are to be believed. Captain Renard, at Muedon, France, succeeded with a cigar-shaped balloon in navigating the air for four hours; that is, he was enabled to work against the wind on a very calm day. His motive power was electricity, stored in a Siemens accumulator of ten-horse power. This is the most important news of the century. It is now 101 years since the Montgolfier brothers ascended into the atmosphere by means of hot air. Since their time there have been hundreds of dinner himself. thousands of ascensions; but the only improvements on the first one have been the substitution of hydrogen gas, and the use of mechanical contrivances in the construction of the balloons. But until Captain Renard's experiment at Muedon every air vessel has been at the mercy of the winds. They were so large and light, and afforded so great a surface to the air currents, that they could not be controlled. It has long been suspected that electricity would solve the problem, because it can furnish power with very little weight. This is rendered possible by the accumulators of Siemens, in which the electricity is, as it were, stored as in a reservoir. The defect of this motor, however, is the speedy exhaustion of the power, and hence only short journeys can be undertaken; but, according to the proverb, it is the first step that costs. Once establish the fact that an air vessel can be moved directly or obliquely against the wind, and the inventive minds of all civilized nations will be set to work to perfect the air ship .- Demor-

A Narrow Escape.

Dr. Forbes Winslow tells a story of kaw presence of mind saved his own life on of occasion in his lunatic asyulum at Ammersmith, England. had gone into the room of a lady who had displayed strong homicidal tendencies, and somewhat incautiously closed the door behind him. He asked the patient a few questions, when she suddenly interrupted the conversation, producing a knife, and remarking that it was well sharpened, said : "I gust really kill you, doctor; I am very sory, but it can't be helped, can it ?" unnaturally the doctor was a little taken aback, for the lady was abnormally strong and had already advanced to execute her purpose. "Just one moexecute her purpose, "Just one mo-ment," he said quietly. Don't you think it would be a shame to spill the blood on this new carpet? Just let me call for a basin." "Perhaps it would, but be as quick as you can." So the doctor slipped out unhurt, but a little

A Sacred Flag.

The sacred flag, blessed by the Mahdi, which has been presented to Queen Victoria, is made of two pieces of coarse silk sewn together, each about seven feet long and three-feet broad, one buff and the other red. On the two sides are Arabic inscriptions, one of which reads : "With the blessing of the Enlightened Prophet without compare, the Noble Master of the Wisdom the age, Seyid Ahmed Ibim Idris, the only Saviour to the Seyid Ibrahim Alraschid, the father of Mahomet of the Bynmee." On the other side is in-scribed, "There is no God but God, and Mahomes is the Prophet of God, and at all times every one professes the knowledge of God," and in the corners ritian, he gets place. So it would be to most people, of this inscription are the names of government yet the are the happy. At sunset, Mahomet's great generals, Omar, Abuviven home Vekir, Ali, and Osman, HEALTH HINTS

is claimed that the smoke from ing brown sugar relieves the pain of flesh wounds.

A remedy for frost bites is to rub the afflicted parts with pure oil of peppermint, It will also prevent the after effect of chilblains. Cers should be taken to use only the pure oil, and not the essence of peppermint, as the essence will not have the desired effect.

Decoction of quassia, applied to mosquito bits, constitutes an excellent remedy for the relief of the itching and irritation. When applied to the exposed portions of the body it is also a preservative against the attacks of these very disagreeable and annoying pests.

Elevation of the head of the bed, by olacing under each leg a block of the thickness of two bricks, is stated to be an effective remedy for cramps. Patients who have suffered at nights, crying aloud with pain, have found this plan to afford, immediate, certain, permanent relief.

Arnica used for flesh wounds should always be diluted with water. Even then, it is, to some persons, a poison. First exclude the air from the wound, then apply hot or cold water, as may be most agreeable. It will soothe, allay inflammation, and in ordinary cases nature will do the rest.

Remarkable Eyesight.

It is recorded by Humboldt that he was traveling in South America under conditions which rendered it necessary for the party to divide, and to reach their destination by different routes. As he and those who remained with him approached the appointed meeting place he said to the Indian guide that he wondered what had become of the others. The guide looked at him with some surprise, and pointing across a wide mountain gorge, one side of which they were if aversing, replied: "There they are." Humboldt himself could see nothing but rocks and verdure, but ultimately, being assisted by the guide as to the position of the other party, succeeded in discovering them by the aid of a telescope; and then by making the guide describe the order of march and the relative positions of the several individuals, obtained proof that he actually saw them plainly with his unaided An experience of equal signficance, if of a less striking character, may be had in any Highland deer forest, where deer, which are conspicuous to the eyes of the keeper, can only be seen with difficulty and uncertainty and after much pointing out of neighboring landmarks by visitors who are habitual dwellers in towns. In other words the acuteness of sight of the average citizen is much inferior to that of the average Scotch forester; while the acuteness of sight of the forester is probably much inferior to that of the savage. People are too prone to accept this as something necessary or inevitable, and to think of the forester or the savage as the possessor of some special acuteness which has been conferred upon him by training and practice, instead of thinking of the citizen as a person who, by reason of unfav-orable circumstances falls short of the acuteness of vision which he ought to possess, -- London Times,

Handel, the composer, was a great eater. He would often order a dinner for three, and then frighten the waiters half to death by calmly eating the triple

ONE HUNDRED AND THIRTEEN MILES OF ORGANS.—In numbering the organs of their mannfacture, Mason & Hamlin have reached No. 150,000. Arranged in a line these would reach 113 miles, or would fence the railroad onone side from the Jraind Central Station in New York, to within twenty miles of Springfield, Mass. Not only does this show the great popularity of American organs, but it illustrates what was declared by James Parton to be a general fact that he who makes the best ONE HUNDRED AND THIRTEEN MILES OF be a general fact that he who makes the best article in his line always has the greatest suc-

We understand that the Mason & Hamlin Company's new Upright Piano is now com-manding a large sale, and is, in every way, up to the standard of their unrivaled organs. up to the standard of their unrivaled organs.
We predict a large success for this piano,
which is constructed on a new system, said
to be a decided advance over the prevailing wrest-pin system. - Boston Journal

THE round trip expenses of an Atlantic pas senger steamer run from \$10,000 to \$70,600,

How Women Differ From Men.

At least three men on the average jury are bound to disagree with the rest just to show that they've got minds of their own; but there is no disagreement among the women as to the merits of Dr. Pierce's "Favorite Prescription." They are all unanimous in pronouncing it the best remedy in the world for all these chapmic diseases, wanknesses and nouncing it the best remedy in the world for all those chronic diseases, weaknesses and complaints peculiar to their sex. It trans-forms the pale, haggard, dispirited woman into one of sparkling health, and the ringing laugh again "reigns supreme" in the happy household.

The Celestial Empire says that the King of Siam has 263 children. He is under thirty.

No woman can live without some share of physical suffering; but many accept as inevia-able a great amount of pain which can be avoided. Lydia E. Finkham's Veretable Com-pound was invented by one who understood its need, and had the rare skill to provide a simple, yet admirably effective remedy

An eight weeks' trip to Europe may be made by an unmarried man for \$320.

Haman Unives.

An exchange says: "Nine-tenths of the unhappy marriages result from human calves being allowed to run at large in society pas-Nine-tenths of the chronic or lingertures." Nine-tenths of the chronic or linger-ing diseases of to-day originate in impure-blood, liver complaint or biliousness, result-ing in scrofula, consumption (which is but scrofula of the lungs) sores, ulcers, skin dis-cases and kindred affections. Dr. Pierce's "Golden Medical Discovery" cures all these. Of drugerists. Of druggists.

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