One of the Most Interesting Features of the West Indies.

Among the interesting natural objects of tropical America the gigantic silk-cotton tree is one of the most prominent features in the landscape. It is widely distributed, but in seldom seen to more advantage than on the grazing pens in the high valleys of Jamaica, where it is a most imposing giant, when its smooth, straight trunk is seen towering like a great lighthouse from some commanding hill, with its majestic crown of spreading branches outlined against the sky. A young tree is protected by sharp thorns, but as it grows older these disappear. When the tree is some four or five feet in diameter wooden brackets begin to grow out from the trunk under the branches. which thus become strongly braced as they begin to spread. At the same time the trunk becomes ventricose near the ground and soon great buttresses arise between the trunk and the roots. These buttresses run close to the surface of the ground for a great distance, sometimes 50 feet. Between these buttresses the Spaniards used to stable their horses. Above these buttresses the trunk is smooth and cylindrical, sometimes twelve feet in diameter and 100 feet high. Just before the tree flowers the branches are bare, but after the fruit has set the new leaves burst out and nourish the great pods until they have swelled to their full size. Then the leaves fall and the sun beats down upon the pods until they are fully ripe, when they burst and swell into great snowy bundles of cotton.

Specimens of the silk-cotton tree vary in shape, and solitary trees in open meadows often branch near the ground; but in a well-grown typical tree the trunk runs straight up, without branches, like a massive cylindrical tower, well above the heads of all ordinary trees or even the tallest palms. At the top it carries a crown of branches stretching out horizontally to an incredible distance.

Ventilation.

Just as sure as a man begins in the poultry business with a number of fancy chickens, he wants "a nice henhouse with a cupola on it," which he explains to you, is for fresh air. In says R. K. James in the Portland Immediately north of this is Austria and ceiling. When there is an opening in the ceiling this air escapes and the cold air takes its place. Under these circumstances it can easily be seen that a hen-house with a top ventilation is always a cold one in winter. When ventilators are put in they ould come down to within one foot of the floor, and will then take out foul air without removing the warm air. Most houses in this country need no ventilation, as they are open enough to insure a good circulation of fresh air at all times. If as much attention was paid to getting warm houses by the average farmer as there is no ventilation there would be less complaints of swelled heads, roup, and many other diseases too numerous to mention.

Europe's Twenty Million Soldiers. It is estimated by MajorGeneral Tarrell that whereas at the time of the Crimean war, the last European struggle in which this country was engaged, the aggregate strength of the armies of the great powers of Europe did not exceed 3,000,000 in round numbers, to-

day it is more than 20,000,000. Without including the final reserves and only reckoning those men who have been thoroughly trained as soldiers and are liable for service beyond the frontiers, Russia has in round numbers 5,000,000, of men. France and Germany 4,000,000, Austria 2,500,000, and Italy 2,000,000. And these numbers are being continually increased. Lately France, by lengthening the duration of liability to service from a period of twenty to twenty-five years, made an enormous addition to her military strength, and the present German army bill contemplates a large increase in the numbers of the German army .-London News.

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"Formerly I suffered with neuralgia, but it has not troubled me since I have taken Hood's Sarsaparilla. I gave Hood's to my little girl for throat trouble, and it gave her immediate relief. My brother has also

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Robs Confinement of its Pain, Horror and Risk. rusing one bottle of "Mother's Friend" I red but little pain, and did not experience that ness afterward usual in such cases.—Hrs. t Gaos, Lamar, Ho., Jan. 18th, 18vi. Sent by express, charges prepaid, on receipt of rice, \$1.50 per bottle, Book to Mothers mailed free, BEADFIELD REGULATOR CO.,

ATLANTA, GA. SOLD BY ALL DRUGGISTS.

WORLD'S FAIR.

All Nations Represented in the Wondrous Building of Manufacturers and Liberal Arts-The Most Notable Exhibits.

of the world's architectural wonders, Though not having as much ground acreage as the large structure erected at little more than 33 acres; the Liberal Arts building but 31. If to this be added the acreage of the galleries the footing time it was being erected, I was very much interested. I watched the growth of the huge skeleton, arch by arch. I think it is more wonderful than any exhibit it contains. The iron and steel required in its construction would build two Brooklyn bridges. The Eiffel Tower is very high, over a thousand feet. The Eiffel Tower could be laid along the floor of the Manufactures and Liberal Arts building, with a few hundred feet to spare. Six games of baseball could be played within it and none of the games would interfere with each other. Five car loads of nails were used in laying the floor. The immense arches are supported on axles not thicker than a them was to leave the arches at liberty to contract with the cold or to expand with the heat. Few people can form any idea of how the iron within this mammoth building is affected by the changes of the temperature. Some 50 carloads of glass have been spread out over the immense roof. The glass had all been set in the spring. Just as soon as the weather began to soften up and we had those frequent and sudden changes that usually occur here in May and June, the roof suffered to a great extent. I remember on one occasion particularly of a certain sudden cooling in the atmosphere that broke hundreds of

it is a difficult thing to keep the roof in In the immediate centre of the hall stands a high clock tower whose chimes frequently fill the air with sweet sounds. This tower is about 150 feet high. All pavilions may be readily located by points from this structure. For instance, this many make a grave mistake, at the N. E. corner Germany stands. Transcript, as a top ventilation in a still farther north comes Japan. At the hen-house is of more injury than no S. E. corner is France, followed on the ventilation at all. Especially is this | south by Belgium and then by Russia. so in winter. Hot air is lighter than At the southwest corner is Great Britain cold, and consequently rises to the and diagonally opposite to it is the space allotted to our home exhibitors. pavilion of all. Indeed it is no pavilion. simply fascinating. They have merely enclosed the floor space alloted to them. The pavilions of Germany and France are the most pretentious. Which nation has the better

salons, -all is represented at the Fair.

money will find much to buy and many them to fighting like bulldogs. suggestions as to interior decorations the hardest thing in the world to pass it, and, instead of apologizing and trying through this building without stopping to see and examine all that is displayed. Thirty governments are here represent and roll and tumble in the grass, a Jamaica, Brazil and Switzerland, Russia other. The muskrat kept working th and Japan, Corea and Morocco, France neutral ground in friendly rivalry. There is something in each exhibit pein which they lead. For instance, there Austria. It is simply exquisite. The tints and hues in the beautiful handiwork cannot be described. The method of decorating, the artistic design and held the woodchuck's head under water elery and wood carving. Geneva watches sight under the roots of the birch. are shown of all sizes and shapes. Some are not larger than your thumb nail. The cases containing them are always crowded with admirers, who, like myself, are simply fascinated. Imagine a set of jewelry worth \$30,000, consisting of five separate pieces gleaming like, well, I scarcely know what. I spider's net and lit it into flames of gold is falling on the vessel. and purple and yellow and indigo. This Recently a wonderful discovery has little scene that I had almost forgotten been made. A beam of sunlight is was recalled to my mind when I saw the set of jewelry to which I have referred. There was a necklace, quite small; a pair of earrings, not large, and two unpretentians looking broaders. and two unpretentious-looking bracelets.

Then I read the legend below, which said: "Price \$30,000." I had no idea that so much value could be wrought together in tiny pebbles so very small. But they were diamonds and that some-

MONSTER STRUCTURE. a very poor place in which to make her display in this building. Yet did her architect make the best of it. It is a THE BIGGEST EDIFICE AT THE reproduction of some of the halls of the

The effect is very pleasing. The pret-tiest statue of the child Jesus I have ever seen is shown here. It represents the Divine One when He was about eight years of age. He is scated in a large chair whose back is a gilded cross that rises far above His head. His arms are extended over the sides of the chair. His This is the giant of them all. It is one face is uplifted; His mouth partially open. In this, as in all the Catholic statusry displayed in this exhibit, the eyes are made of glass and are very lifethe New Orleans Cotton Centennial in like. I came upon two huge vases wrought 1884, it is, nevertheless, more imposing in a manner lately invented by a Spanish and has much more available space. woman. These vases are of steel and are The New Orleans building covered a encrusted with pure gold. The designs and the figures are beautifully laid on. They have an exquisite finish and the contrast between the gold and the steel will be 44 acres of flooring. During the is very rich and pleasing. They are each about four feet high and are intended as centre ornaments for parlors. It will take a snug sum to own the pair. Sixty thousand dollars will buy them, twenty thousand dollars being the price for the first one and forty thousand dollars the figure on the other.

Siam has a very small pavilion, but I heard somebody remark it contained more value to the square foot than any other nation's display. The pavilion itself is a beautiful affair. Pagoda shaped, it glitters in gold and cut glass. Tiny pieces of glass about one inch long and three-eighths of an inch wide are so cut that five of them make a star. Such stars are all over the little building and the man's arm. The object of so setting uncovered places are gilded. They display beautiful carving on elephants' tusks, magnificent silver work, and that peculiar ware which they make of papier mache inlaid with pearl. They manifest a degree of culture that I did not think existed in Siam. Some beautiful needle work from the art school of Lady Bhas-Karawongoeza is shown. I did not think they were already struggling so markedly for the arts of European civilization.

The Netherlands have a magnificent display of ceramics. They have panel pictures that are simply exquisite.

The Danes have a very notable and complete exhibit. One of the most inpanes of glass in the roof. Even now, teresting features they have are relics of Hans Christian Andersen. With just pride they glory in the man whose fairy tales have delighted the children of every

Unfortunately a lack of space forces the Italian exhibitors into very crowded quarters. They are placed, like Spain, under the gallery, and the darkness prevents their wares from being seen to the best advantage. Undoubtedly they are the most artistic people in Europe. Every time I get near their exhibit I am drawn to it, and cannot go on without stopping to admire. Their statusry is simply wonderful. They have figures in all conceivable positions, and in every in-England has the most unpretentious stance so life-like, so exquisite that it is

Fought to the Death.

A visitor at Scranton, Penn., saw exhibit is a question very difficult to furious fight between a woodchuck an answer. I have seen both and am in- a muskrat on Choke Creek a few day clined to think they are about equal. ago. He was walking toward the creek, If France leads in some things Germany on the opposite side of which he saw a does in others and vice versa. Neither woodchuck staking his thirst near a pool nation has spared money in preparing under a leaning yellow birch tree. The for the display. Each nation is com-pletely represented. If there is a French proach, gave a whistle and started on a restaurant, there is also a German one. lively canter for its burrow, a few rods The display in both exhibits represents up the bank. At the same instant a the highest art in each country. The monster muskrat, which had been nosing salons of Berlin are as gay as those of around in the grass and weeds near the Paris and all that furnishes the salons of | woodchuck's hole, made a dash for the Paris and Berlin, all that goes to dress pool under the leaning birch. The up the men and women who fill these startled animals ran into one another in their haste to reach their respective It will delight every visitor to see the abiding places, and the collision instantmagnificence each of these peoples has ly made them forget all fear, caused them sent on as representative. Those with to become as angry as hornets, and set

Each animal seemed to think that the that will be positively fascinating. It is other was to blame for running against Siam and Persia, Ceylon and though they were bound to kill one an woodchuck toward the creek, the blood and Germany are side by side on this and fur flew, and at length the woodchuck broke away, cried enough, and went limping to its burrow. It hadn't culiar to the people—characteristic of taken five steps before the pugnacious them—some particular work which no muskrat collared it and made it fight. other nation has, some national industry | The woodchuck sailed into the big rat with renewed vigor, but the latter knew is nothing on the World's Fair grounds its business, and in less than three minequal to the display of glass work from utes it caught the woodchuck by the finish of these decorations must be seen. until it was drowned, when it flung the Then Switzerland is there with her jew- carcass onto a stone and swam out of

How to Hear a Color.

One of the most wonderful discoveries in science that has been made within the last year or two is the fact that a beam of light produces sound. According to Milling, a beam of sunlight is thrown remember one morning when a boy I through a lens on a glass vessel that conwent into our grape arbor and came upon | tains lampblack, colored silk or worsted a beautiful sight. A gigantic spider nad or other substances. A disk, having woven a wondrously delicate polygonal slits or openings cut in it, is made to net and some fairy finger had hung it revolve swiftly in this beam of light so with thousands of dewdrops. The sun was peeping through an opening on the opposite side of the bower, and the the car to the glass vessel strange sounds rays that passed in fell flashing on the are heard so long as the flashing beam

break through it. Now place the ear to the vessel containing the silk, wool, or other material. As the colored lights of the spectrum fall upon it sounds will be given by different parts of the spectrum and there will be silence in other parts. what quieted my astonishment. The For instance, if the vessel contains red wood carving and the music boxes here worsted, and the green light flashes upon are equally wonderful. One piece it, loud sounds will be given. Only carved from a solid piece of wood, is the most delicate thing of the sort imaginable. It is a bouquet of flowers standing in a flower pot. The carving proper is not more than 10 inches best in red light. Every kind of material high and 6 inches wide. Yet it took gives more or less sound in different the author fifteen months to complete it. | colors and utters no sound in others .-Its label reads \$2,400. Spain was allotted [New York Advertiser.

IT WRITES ON CLOUDS.

Chicago Has the Biggest Search Light in To America belongs the honor of constructing the largest and most powerful electric search in the world, now in Chicago. Some idea of its size may be gained from the comparison made between it and the men of ordinary height standing by it, shown in the illustration from a photograph. It stands about 10 feet 6 inches high to the upper side of the ventilator on the top of the drum, and the total weight is about 6,000 pounds, but so perfectly is it mounted and balanced that a child can move it in any direction. The maximum current at which this lamp operates is 200 amperes, and at this current the lamp has a luminous intensity of about 90,000 to 100,000 candles, the reflected beam a total luminous intensity of about 375,000,-000 candles, an intensity which the eye cannot appreciate. In looking at the side of the beam the spectator only distinguishes a stream of light of comparatively low intensity, but in looking at the beam directly its brilliancy is fully seen and the effect is absolutely blinding.

Before the projector was sent to the World's Fair a public test was made at Middletown, Conn. From the roof of the works the great white beam of light shot forth into the obscurity of the night, and slowly swept the countryside for miles around, bringing every object upon which it was directed into brilliant and distinct relief. It illuminated the roofs of distant villages and scared the inhabitants, and lighted up the sign boards miles away, so that they could easily be read by means of a glass. The projector was turned upward toward the sky, and the beam, like a supernatural divine finger, wrote words upon the clouds -messages of light to the starry populations. It was a majestic manifestation of man's invasion of

the realm of Phoebus. How far the powerful beam of light of this instrument can be seen is difficult to state. The search light set up by the General Electric Company on Mt. Washington, in the White Mountains, has a diameter of only thirty inches, and a reflected light from the mirror of about 100,000 candle power, yet the newspaper can be read in its beam ten miles away, and the light can be seen from points 100 miles away. How much farther then could this 375,000,000 cardle power light be seen in a clear atmosphere free from moisture, if the projector could be mounted upon an eminence sufficiently high to clear all surrounding obstacles?

THEY DANCE IN WORSHIP.

Fantastic Ceremonies of Some of the Der vishes of the Orient.

The dervishes in Mohammedan countries are a religious class corresponding in some respects to the monks of christendom. There are many orders, distinguished by peculiarities of faith, ceremony and costume. Some live in monasteries, others dwell in villages, but all profess poverty and humility and some chastity. Their religion prescribes mortification, but their practices are very often inconsistent with their profe-sed standard. Many of them lead a vagrant life, traveling all over the countries of the East and being supported by convents of their order. The Mevlevis are the most numerous. They indulge in fantastic dances, in which they whirl around with great rapidity to the music of a flute, generally not ceasing until they are overcome by exhaustion and drop on the ground. This ceremony is performed in honor of their founder, who is said to have whirled around for four days without any nourishment, while his companion played a flute. Often these dervishes are found in cities playing the part of jugglers and sor-

Skeletons in the Sand. A rhastly discovery was made a few days ago by a fisherman on President's island, two miles south of Memphis, Tenn. Six human skeletons were found on the sand bar opposite Jacksonmount Park. Their identity is a mystery, but river men believe they are some the crew and passengers of the ill-fated steamer Gold Dust, which burned a few years ago. The skeletons were found six feet apart, imbedded in the sand

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In the early months of summer white flowers predominate in the northern field and garden. In July yellow flowers begin to prevail and their reign seems to culminate in August, which is the month par excellence of golden hues. In September and October the ascendency passes to blue and purple blossoms. One cannot help noticing that this march of color among the flowers, carrying them from white in the spring to blue in the autumn, recalls the supposed progression of age among the stars as indicated by their colors. It has generally been thought, although the ract has not yet been finally demonstrated, that the white stars are the youngest, that the yellow stars represent the mid-season of solar life, and that the deeply colored stars, red, purple, and blue, are those which are fast passing into decadence. If this is true, then in the heavens also we may say white is the color of

The March of Color.

Pens.

springtime and purple the badge of

the season of decay.

Pens can be made out of eight metals-steel, brass, copper. gold, silver, platinum, amalgam and alumi. num. Aluminum pens are still a novelty and are said to last much longer than any other metallic pen.

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