PUPILS IN PUBLIC SCHOOLS Twenty Per Cent. of Entire Popula-. . on of the Country Aic on

the Rolls.

The report of the commissioner of education for the fiscal year ented June 30, 1904, made public recently by the secretary of the interior, shows that 16,009,361 pupils, or 20 per cent. of the entire population of the country, attended the public schools during that year

As compared with the previous six years this percentage shows a slight decrease in the number of mipils as compared with total population. The total cost of the public school system is given as \$251,457,625. This is an increase of \$16,000,000 over the previous year It amounts to \$3.15 per capita of total population and \$22.75 per capita per pupil.

Since 1870 the proportion of male teachers has decreased from 39 per cent of the entire number to 25 per cent of the entire number in the last year. The average compensation for male teachers last year was \$19.98 and \$40.51 for females. This is a alight increase over the previous year

The enrollment in the private schools efor the year is given as 1,093,876. By, the addition of pupils in elementary schools, academies, institutions for higher education, evening schools, business schools, private kindergartens, Indian schools, state schools and schools for defective orphans, the grand total of 16.157.918 pupils is reached.

The report shows that last year 1.578.632 colored children were enrolled in the common schools for that race in the former 16 slave states and the District of Columbia. The enrollment in 1877, the first year statistics were taken for the colored schools, was 571,506.

Since 1876 it is estimated that \$130,-000,000 has been expended in the edueation of the colored children in the former slave states and nearly \$600c 000,900 for the same purpose for the white children in the same section Ninety-six reform schools, are recorded, with v1.469 inmates, p1.603 of

NEW SEASONING STATIONS. To Be Established in Timber Regions

whom are learning useful trades.

by the Government Bureau of Forestry.

The bureau of forestry has recentlygigned an agreement to make extensive timbering seasoning tests in two western states, in cooperation with two relegraph and telephone companies. Experimental stations will be located at Marinette, Wis., and Escanaba, Mich., and probably a third station will be esfablished as Ashland, Wis. The expense of the experiments will be borne jointly by the bureau and the companies. Cedarand tamarack telephone and telegraph poles will be furnished by the state of Wisconsin free of cost, and two railroad ecmpanies have agreed to haul them to the experiment stations without charge for freight

The object of the experiment- is to determine how many years can be added to the life of each pole by proper seasoning. Since millions upon millions of poles are used along telegraph and telephone lines, even one year's extra service for each pole will amount to a tremendous saving in expense. Unseasoned cedar poles last from 12 to 15 years. Seasoning experiments have shown how to increase this time by three of four years, and it is now expected to improve on this increase. Past methods of seasoning have effected a drying out of 20 per cent, of the original weight of the poles. The better seasoned the pole the less chance there is for decay, which in promoted by moisture

Such experiments are of large imporfance not only to telegraph and telephone companies, but to all users of heavy timbers which come in contact with the ground, at which line decay gets in its most deadly work. It is believed that still greater economics can be secured by the use of proper methods of preservative treatment. The latter is a subject which the bureau of forestry has for some time been investigating, as set forth in its bulletin No. 41, "Seasoning of Timber," and other publications Further bulletins dealing with different aspects of the same problem will be issued later

Women's Appetites.

Our athletic women of the present day have no scruples about eating heartily, and the small appetites which were the correct thing for ladies of the early Victorian era are quite out of date now But in spite of all their open air sports and pastimes, the girls of to-day are "noor eaters" compared with their ancestresses of Tudor times. They women's appetites were positively amazing. judged by modern standards, and three rump steaks for breakfast was the allowance made for the maids of honor : Queen Bess - Chicago Daily

Before and After,

Ascitt have about the court is possitie for two people to live as cheaply as (1) 67 Ktoutt Aftenreadinga in egenteere

I could had on the subject of red makes ried I was convinced that they outli-

"After I had been mare. I throw months I lost all faith in cranist a "--Cincinnati Enquirer

No New Jails in Ireland.

As the population of freland has decreased the demand for prisingly beor me less and less and they have been soid by the score, while the faming Har. old's Cross prison in Dublic scapted in the 40's by Daniel O'Connell has been turned over to the war office for larracks. -Springfield (Mass.) Republican

INTERIOR OF THE EARTH.

Calculations of a Scientific Nature Upon the Inner Center of The Globe.

Experiments to be tried in the Washington monument by officers of the gealogical survey to try to determine the comprehensiveness of the earth's mass, has awakened widespread interest in accentific circles, says a Washington letter. Coming as it does on the bests of a project brosched by Charles Algernon Parsons, of England, to here a hole 12. miles into the earth, the scientific world has much food for speculation.

Prof. Parsons estimates that to nink a shaft 12 miles deep would cost \$25,-200 old, and that it would require 35 years to accomplish it. This shaft, cut. down into the earth, would represent the squivalent of a hole one foot deep in a mass 656 feet thick. It would solve many questions that the scientific anowledge of the wirld has left unanawered yet it would investigate only the crust and leave thousands of miles of the interior mass still untouched.

No man has gone down into the earth's interior beyond the distance of one mile and lived to tell the story. The deepest laring in the "crust" of the planet is a seed feet-less than one fourthousandths of the distance to the cen-

"The earth's interior is a vast upsnown, beside which, in the realm of mystery the heavens are an open book. The most during explorer secking new delds of heroism in unraveling the mysteries of nature has helted even before he could plan to surmount the obstacles that lie in the pathway of the secrets of the earth's mass

The amount of compression at the globe's center should, to some extent at least, define the character of the mass of which it is formed.

Within the Washington monument, which is 550 feet high, is to be stretched a wire 5th feet long, on the free end of which will be hung heavy weights. Survey experts, who will conduct the experiments, hope by this means to gain a knowledge of the force of gravity at equal distance toward the center of the

It is argued that the great mass of the interior of the earth is solid. "gainst the contention that the planet. under a crust 25 miles thick, is a mass of flery liquid is arrayed the fact of the known density of the globe.

That density in the earth's entirety is about 55 times the density of the water that covers three-quarters of the sur-

FEARFUL WASTE OF ENERGY

Loss of Power in Coal During Transmution Into Electric Light.

Ninety-nine per cent, of the sun-power or energy stored up in a ton of coal is lost on its way to the electric-light bulb. Thus we get only a hundredth part of the possible light contained in a top of coal. The other 99 parts are lost on the way, dissipated in heat, and used up in friction in the engine or the electric apparatus, and meser become tight. To discover, some way to provent this fearful was " of energy is one of the great problems confronting scientists to-day, (writes Orison Swett Marden, in-Success,

Just as fearful a waste of energy goes' on in man's use of his own powers. Instead of 100 per cent of his energy appearing in results that are worth while, often not more than one per cent of it. gets into his real work, the rest being thrown away, dissipated in scores of

A young man start- out in life with a large amount of force and vitality stored. up in his brain nerves and muscles. He feels an almost limitless supply of energs welling up within him, a fullness and busyancy which knows no repression. He believes he will do wonders with this energy, and that he will transmute practically all of it into light-achievement. In the pride of his youth and strongth, he seems to think that there is practically no end to his power to throw of energy, and so he often flings it out on every side with reckless prodigality. He burns it up here in a cigarette or a pipe, there in whisky or wine; here he drains it off in heavy suppers, and late hours, there in victous living, idleness, shiftlessness and botched work, until he finally comes to bimself with a shock and asks: "Where is the electric light I meant to produce with all my energy? Is this flickering candle flame all that I can generate?" He is appalled o find that, with all his superabundant vitality, he has scarcely produced light anough to illumine his own way, and has nothing left for the world. He who had boasted of his strength and felt confident of shedding a light that would dazde the world stumbles along himself in semi-tarkness. The energy which should have been transmuted into ich evement has been lost on the way.

Where He Could See.

A waitress in a restaurant in a northern town is known to the members of the is abili-hment for her ready wit. An ocassional customer went in the other day for dinner. After receiving his order the waitress handed him a newspaper to while away the time that would clapse sefure dinner was served. He looked up-Jera few minutes and said:

"I say, miss, have you nothing comic to look at "" "Well sir " replied the waitress without a smile "there's a looking-k a-s

straight in front of you, sir " Comis-

Deadly Insult "The line ady is just hopping mad at

What is the trouble now?" "Old man Sharp tasted the butter yesterday as diamer and suddenly reached over and handed the landlads two tickits to the pure food show ". Cheveland.

SUCCUMB MORE SPEEDILY TO PNEUMONIA THAN OTHERS.

Mo Reserve Lung Surface to Resist Inroads of the Disease-T7phoid Fever in Robust

People.

It has been a frequent source of wonder that strong, healthy men and women should be more liable to have typhold ever, and when they do have it they should be more liable to die as a consequence of it.

As is well known, athletes are more liable to die of pneumonia than propie who are not highly developed physically. The reason for this, states the Chi-j cago Chronicle, is that in the case of athletes the breathing capacity of the lungs has been greatly increased by athletic exercises. Nearly the whole of the available fung has been brought into constant, daily use. All of the latent air. cells have been developed, and when acute disease attacks the lungs it has greater area over which to spread and the pneumonia is of a more virulent and active type.

Another reason why athletes are not so liable to recover from pneumonia is that they have no latent lung to call into action after the disease begins. In the case of ordinary men and women at least one-third of the lung surface is in a latent or unused condition. When disease sets in itrattacks only the active portion of the lungs. This leaves the person with a little reserve lung, which may be whipped into action after the disease has been developed.

Not only do the inflammatory processes of pneumonia have less surface presented for their ravages, but there is latent lung which can come to the rescue of the patient in the later stages of the disease.

Something similar to this is true in the case of robust people having typhoid lever. It is a curious fact not generally known, that the small intestine differs in length in different people. Gray gives the average length of the small intestine to be 20 feet but anatomists who have given this subject special study have found the average in the adult male to be 2214 feet and in the adult female 23 1-3 feet. In an analysis of 100 cases the shortest small intestine observed was 1512 feet and the longest 31 feet 10 inches, a difference of over 15 feet.

This surprising variability, when properly considered, is a significant fact. The small intestine is important to digestion. It is here that the digested fluid of food is mainly absorbed by the blood vessels and lacteals. As the dissoived fluid slowly moves along the tortuous canal the nutritious portions are gradually absorbed by the blood vessels of the mucous lining. It is easy to see that the length of the tube has an im-

portant bearing upon the absorption. Other things being equal, the longer the tube the more perfect the absorption. will be. A tubb 30 feet long, folded and twisted upon itself, would present more than double the obstruction to the passage of food that a tube 15 feet long. would, and thus would become more than twice as valuable as a digestive or-

It is a fact that some men have donble the length of a small intestine that other men have and also a fact that women on the average have a greater length of small intestine than men, this would at least help to account for their differences in withing which every physician has noticed. As a rule women will bear long strains and hunger herter than men. Some men can go twice as long without food as others can Some persons are hungry and faint if they miss a single meal, while others can go without food for 24 hours or

The vitality in the length of the small intestine would certainly go a long way to account for these differences. The blood vessels and lacteals of the intestines perform the same functions for man that the roots do for plants. The roots absorb the earth nutritive material. The tree is strong and of rapid growth in proportion to the numerousness of its rect.

longer with little or no inconvenience.

Fortunes in Broken Glass. The waste from glass furnaces is now made useful. Into a fire resisting mold are placed fragments of glass of various colors, which are then raised to a high temperature. The coherent mass thus produced can be dressed and cut into beautifully mottled blocks of decorative surface. Designs in relief can be obtained by pressure while the material is still plastic. From broken glass a "stained glass" window can be made by firing, without the ordinary slow process of "leading". A fire-up soda water-bottie in the final fulfillment of its destiny may dazzlé the eyes as firiffatt "diamonds" or other "precious stones" Thus does the "waste" come to resemble the most precious commodity if properly handled and utilized.- Industrial

Foretelling Winter by Leaves. "Heard a new rule for making predic-

tions of winter weather," said a statehonse man yesterday. "Looks reasonable too, more reasonable than the most of them, anyhow. It says that if the leaves fail suddenly and all at once, the coming wanter is to be a severe one. Per contra if they fall slowly, and the trees are a long time in dropping their foliage. completely the winter is to be a mild one. It will be noted that, according to this the coming winter is to be a mild one " - Columbus Dispatch

He Didn't "Sculp " "Mr. Jones, you said you were connected with the fine arts. The you mean by that that you are a sculptor?"

"No, miss, I don't sculp myself, but I furnish the stone to the man that does." -Smith's Weekly.

ATHLETES EASY PREY wild ride in mountains.

Terrifying Experience of a Mining Engineer with a Drambon Stage Coach Driver.

For genuine wild west experiences John T Breckon, the well-known mining engineer, is prepared to recommend to the tenderfoot a trip over the state line which runs from Ketchum to Stanley, on the middle fork of the Salmon river in Idaha. Mr. Breckon. having just returned from that country and having made the trip one way alone with a drunken stage driver and the other with plenty of company as drunk as the driver, is peculiarly qualified to speak on the subject, says the Salt Lake Tribune. The mining engineer makes many trips to wild parts of the country, but he declares that he has never encountered anything quite so wild as that particular stage ride.

"In the first place you must know." said Mr. Breckon, "that there isn't a rougher stretch of country anywhere in the Rocky mountains than the 60 or 70 miles traversed by that stage route. It is simply a succession of precipitous mountains with deep canyons between, and the road is continually describing almost impossible angles. Austin Tiernan, John H. Mc-Chrystal and Otto Bossert had first come out of the country as I was going in, and they gave the stage driver a tip to give me the ride of my life over those mountains.

"I imagined, however, that they had rather overdone the matter of preparing the driver for his stunt, for we had no soomer started than he insisted that I should do the driving while he took a nap I handled the lines all right until we reached Galena, which is at the summit of the divide, and when I looked over and saw the almost sheer descent of five or six miles ahead of us I baiked and awoke the driver. He felt a little grouchy over being awakened from a sound slumber, and when I gave him the lines he swung his whip over those four horses in a way that sent us fairly rolling down that rocky slope-that is, we were rolling when we weren't sliding.

"I never will know how we reached the bottom without going over some of the perpendicular cliffs, but we did, and it took us less than 15 minutes to travel five miles. For hair-raising rides it certainly beat anything I had ever experienced up to that time

"But on the return trip we had one even more thrilling. There were seven on the stage, and all were drunk except another man and myself. The keeper of a saloon at one of the stations started out after us in a light rig and succeeded in passing the stage This feat hurt the professional pride of our driver and he watched for a chance to get ahead again

"He saw it when we came to a place where the road had been built around a deep canyon. The saloonkeeper kept on the road and the stage driver cut across the canyon at hreakneck speed. When the salounkeen what was going on he whipped his own horses into a run It was plain that when at the point of the mountain either the stage must go into the river or the salson man's riz mist kil up the mountainside

"As the stage had the better of the argument in weight and strength the other team took to the mountainside, The saloonkeeper's buggy was smashed to pieces and he and his companion were thrown-out on the jarged rocks They were ton drunk to be seriously hurs but the saloonkeeper's under lip was hadly cut, fully an inch square of I hanging by a slee, by plece of flesh and skin. Someone took a jackknife and cut off the lip and threw it into the road

"After this we proceeded to our des fination without special incident, the experience having served to some the crowd somewhat "

WOMAN EXPERT IN MINES. The Husband's Partner in Hydraulic Placer and Is an Adept

at Piping.

One of the very few expert woman pipers of the west is Mrs. M. E. Moore, She is not a piper such as the Scotch Highlander knows, but a piper of the western hydraulic placer mines, the operator of a hydraulic giant.

At present Mrs. Moore is her husband's partner in the working of the Judson placer mines of southern Oregon. And Mrs. Moore is a partner in every sense of the word, says the Sunset Magazine. Every day she is at her post, taking her stand beside the hig monitor long before the sun scares away the shadows from the mountain canyons, and there she remains through the shift directing the shaft of white that the monster buris with a dash of spray against the towering gravel bank ,tearing mountains away and robbing them of their gold.

Few men pipers, who are proud of their long records of years in western placer fields, and likewise their \$3.50 per day, are more dexterous with the giant nozzle than Mrs. Moore. She knows just how to swerve the deflector to drive an avalanche of boulders down the guich, scattering them as wildly as a handful of bullers shot from a gatting gun, and how to bring that long, deep growl from the advectis monster as it gnaws and cuts deep at the base of the red clay bank. till a great slab of a thousand tons topples and falls with a crash from the mountain side and is washed away through the sluice boxes

Ambiguous. De Style. What did your rich uncle leave you when he died?"

Gunbusta - Nothing: "Didn't he say anything to you before he passed away?"

"Yes; he said nothing was too good for me."-Criterian.

GOLD MINE DREDGE.

OPERATED WITH GREAT POWER SCOOPS CUT OUT SOLID ROCK.

Ore Automatically Separated by Machinery-Prodigious Labor Performed by New In-

vention.

A gigantic dredging machine is the latest devise used in gold-mining. A great steel ladder extends in front of the vessels, like an inverted bowsprit. Up and down the ladder march in endless procession bucket shaped plows, with mouths of forged manganese steel. The chain that carries them will support a weight of 509 tons. These keen-edged scoops will cut, through solid rock. A marine engine drives them with irresistible force. They delve into the banks ahead of the ship, literally eating up the land, reports a Western paper.

Gorged with rock and sand, the buckets mount the helder again and along a huge ganity are carried back to a rotary cylindrical screen, into which they discharge their contents at the rate of 13 burkets a minute. Each one of these steel carriers contains five cubic feet of earth, so that an amount of material equal to the contents of three city dump carts is poured every minute of the day and night into the Whirling Cylinder

Other machinery separates the gold automatically. The total expense in a day in the operation of one of the great gold-mining vessels is sometimes less than \$39. The ships cost from \$50,000 to \$95,000, according to size. The first year's cruise will pay for the monster itself, will pay the cost of the land, even at \$5,000 an acre, will meet all expenses, including repairs and depreciation of machinery, and

still net the owner more than \$100,000. These are figures of actual operations, and regarding land carrying a low proportion of gold. It is little wonder that the men who own these mining fleets do not advertise. Many of them are reaping a profit of more than 60 per cent on their Anvestment. The industry is of course, localimate in every sense, but it has all get-rich-quick schemes absolutely One of the mild white will dirent

an acre of earth every or other there are now 10 verseld in the unique Pacific coast first 100 agriculfural acres are being permanently destroyed every 30 days. In the valleys thus far prospected and pur chased by the bperators there is an assurance of all least 50 years of mining activity; so that at the end of that period, even if no additional boatwere launched in new sections, so, not fertile acres will have been deducted from the tillable acres, of western America

Of course, no amount of rellow metal can actija. from of the fairest valleys husbandry has made to bloom. At these shiptear up alluvial acres at a cost of three and four cents a ton and can work as a profit land that contains a Yery small propertion of yellow sands, It means that few valleys whose rivers rise in the mountains are safe from invasion And so the western states in Amer

Ica have reason to regard with seriousness the cruising of tuose semisubterranega squadrons, jab. di can eather relies particles symmetropic that the human eye cannot detect them and in response that present harvest can so meramorphose ferrite. dominions into perpetual desolations.

PREACHER KEPT HIS WORD Awakened His Slumbering Wife in Church to Mollify a Sleepy

Elder.

"Down in Oregon-1 won't say just where -there is a settlement of Scowh Presbyterians, who retain all their old country habits," said a globe frotter the other day. "Not long ago, the minister while in the midet of his sermon noticed one of his parishioners peacefully sleeping. The divine suspended his discourse and addressed 'Wullie' in a loud tone, waking him up, and then gave him a severe rebuke.

"Wnline was very angry and after services were concluded went up to the pastor and made an indignant speech, protesting against the humillation which had been put upon him. He concluded by saying:

"'You ain wife was sleepin' at the time. I saw her before I went to sleep

"The pastor tried to smooth the matter over and told While that if he should ever see the pastor's wife sleep-Ing in church thereafter to raise his hand, and she should receive the same correction which had been imposed

"The next Sunday, when the sermon had reached about fourthly, Wullie's hand went up. The minister looked over at his family pew, and there, sure enough, his spouse was wrapped in slumber. Mindful of his word, the preacher thus addressed the wife of

"Susan! Susan! I dinna marry ye for your fortune, for ye had none. I dinna marry we for your beauty-the whole congregation can see that; an' if ye hae nae grace I've made a sair bar-

Cleanly Japanese Stables.

In Japan horses are backed into their stalls, and the door is closed at the head. To the door is fixed a grain and

hay rack, and to it the animal is secured. When needed, the door is swung back and the horse led forth. No one gets kicked, no refuse matter is visible to the visitor, and it seems to be a sensible way to construct a place for a horse.

ALL FOR A LITTLE BROOCH And. When It Was Biderered There

Was a Score of Disgusted Searchers, It was at the railroad station at

Kansas City that the chic young woman lost and found her jewelry, relates the New York Sun. The loss occured as she glighted

from the train in search of something to allay that hungry feeling. If a stingy corporation had not left my much space between the planks of the floor, her jewelry would not have gene through, she would have been apared some embarrassment and the public would never have heard of it.

The article lost was a brooch-one that mother gave her-and about If of the 18 karats had worn off. She peeked through the aperture in the platform without getting a glimpse of what she sought. Then, a trifle distreased at the loss, she was about to continue in search of first aid for the appetite.

One of those obliging drummers that are always willing to turn over a car, Jack up an engine or tear down a house to do a courtesy for one of the fair sex, happened along and inquired if she had lost something

"Oh, just a little brooch," she replied. "It doesn't amount to anything."

With an "Allow me, madam," the drummer was on his knees in an instant, his eyes searching the depths of darkness underneath the platform. At first he failed to see the brooch. but by lighting a match and holding it between his two little flagers as far down in the crack as possible, he located it and joyfully announced his

discovery. The young woman was becoming embarrassed, and again instated that the brooch was of no value. But the angel of commerce was sure that he could get it without the slightest trou-

One of those laky inhabitants of Mr. Pullman's traveling bedrooms happened talong and suggested that a piess of sum on the end of a stick would prove the magnet that would draw up the fewel

"Run, get the gum, porter," commanded the now perspiring salesman. as he passed the purror, a quarter and

The brakeman came up with a suggestion that he could run up to the engine and get a crowbar to pry off the plank; but a bootblack who had Joined the group it, aght it would be easier to get into the basement, and thence under the platform, where a fram! on hands and knees of about a hundred feet would bring him to the right spot. A pussionner with a long piece of twine tried to lasso the brooch with a slip noose, but without

. There were at least a score of per sons drawn to the scene by this time and the young woman had given up at thought of her breakfast and was wishing that her train would joull outso that she might have an excuse to

Without undue basis the colored brother returned with a chew of gun. and 24 cents proud The gun, was placed on the end of a stick and lowered to the sinvaspecting brooch

The gum adhered all right. In fact it got misshed on the theeh and will ered its connection with the affect All off or's to recover it were tutile and the drummer finally appealed to the braneman to get the minimum. To tear up a station plant rm out wesyou must needs base a permit from the station master. After that gentle man had san honed the pier regard by his own presence thereby drawin. an additional crowd, the plank was finally raised.

The tenacious drummer, having ruined a clean shirt, and a pair, of fromsers in his ondeavors, was in at the death, and it was he that rassed the much sought for object to the glare of the sunlight

His face lost that benign expression as he passed the brough to the Brake man and disappeared through the crowd. The brakeman looked disgust ed, said something worse than: "Ohfildlesticks!" and handed it on to the porter. That worthy rolled his big round eyes a couple of times and gasped so that all might hear: "Law me, ef it ain't brass, jest

D-F-2-3-3 " Then he corned to hand it to the owner, but, she had fled into the sleeper and hid her head under a pil-

No Hunting in Palestine.

The late Bishop Beckwith, of Georgia, was fond of his gun, and spent much of his time hunting, says a representance from that state. One day the bishop was our with doz and gun, and met a member. of his parish whom he reproved for inattention to his religious dates.

"You should attend church and readyour Bible," said the bishop "I do read my Bible, bushop," was the answer. "and I don't find any mention of the apostles going a-shooting "

"No" replied the bishop, "the shooting was very had in Palestine so they went fishing instead "-- Nashvole Ban-

Travels of Odor.

Experiments have been made recent ly to determine the speed with which odors travel. Ammonia was sprinkled. into one end of a pipe about ten feet long and it was found that the odor could not be perceived at the other end of the pipe until two hours had clapsed. Sulphuric seld, camphor and other similar materials, all having a powerful scent, were also tested, and it was found that the various odors required about the same length of time to traverse the pipe. - Sci-

L'ABEILLE DE LA NOUVELLE-ORLÉANS

Set très denandre en Legislane et dans tous les Etats du Sud. Sa publicité offre donc au commerce des avantages exceptionneus. Prix de l'abonnement us l'anné : Estate du Sud. Duotidienne 12.00. Biltion bebornadelmi : \$5.00.