

An eminent dentist is authority for the following interesting expla-

It would take too long to describe the formation of the teeth, but it the formation of the beth, but in may interest you to know that the enamel is derived in the first place from the epithelium or scarf skin, and is, in fact, modified skin, while the dentine, of which the bulk of the teeth is composed, is derived from the mucous layer below the epithe-

Lime salts are slowly deposited, and the tooth pulp or nerve is the last remains of what was once a pulpy mass of the shape of the future tooth, and even the tooth pulp in budy mission are single or the third pulp in the old people sometimes gets quite obliterated by calcareous deposits. The 32 permanent teeth are preced-ed by 20 temporary deciduous or will teeth milk teeth. These are fully erupted at about 2

These are fully empted at about 2 or 2; years old, and at about 6 years of age a wonderful process of ab-sorption sets in by which the roots of the temporary testh are removed to make room for the advancing per-manent ones. The crowns of the former having no support become loops and full access

former having no support become loose and fail away. One would naturally suppose that the advancing permanent tooth was a powerful factor in the absorption of its temporary predecessor, but we have many facts to prove that it has no influence whatever. Indeed the interesting phenomena of the erup-tion and succession of the teeth are very little understood.

What the Duke May Have Said.

The correspondent of a country pa-per had been laitering around the Waldorf hotel several days trying to get an interview with the Spanish duke. One morning he encountered duke. One morning he encountered his excellency as he was going out for a drive. That was his chance. He hastily produced his writing pad and pencil and started in for busi-

"You have recently returned from Chi

hienge, I believe?" "You believe what you like," re-ied the duke tartly, as if his break-st had disagreed with him.

fast had designeed with him. "And you saw our falls of Nisgnra on your way?" continued the report-er, determined not to be bluffed. "I have no time to talk." "But the readers of the Blokeville Banner would like to know what your excellency thinks of these two reast nutional antionities."

at national curiosities." Tell them," said the duke as he made a bolt for his carriage, "that 1 think Niagara is a cataract of water od Chi igo a cataract of beer."-New York Times.

There is a prominent busine in Washington who is something of a dog fancier and takes pride in a pair of English setters that have held a prominent place in several bench shows in the country. Some months ago one of them developed an incipient case of ophthalmia and was taken to an oculist for treatment, just as naturally as would have been any other member of the family. The treatment, which consisted of drops to be put in the patient's eye, proved quite successful and relieved the trouble for a time, but after awhilit came on again, and a second ex-pedition was planned to the doctor's.

Fim Flam seemed to know where he was going, for on entering the square where the oculist had his of-fice he raced ahead of his master and got up the steps where he had been but once before, and on the door be-ing opened bolted straight for the treatment room, instead of waiting his turn down stairs as two legged patients learn to do to their sorrow and impatience. This time the treatment was a zinc solution that was very severe and brought the water in streams from the patient's eyes, but he took it with his nose in the never wincing, and the only sign of feeling he made was to hold out one paw pathetically for his master's hand.-Washington Post.

Two Wealthy New York Women Mrs. Russell Sage is a graduate of Mrs. Willard's school at Troy She She taught school herself for some years be-fore her marriage in what is now the Organiz school, near Philadelphia. She speaks in a clear, well bred voice, ex-quisitely modulated, but full of dignity and decision. She is president of the Emma Willard Alumine Association of New York, and shows with affectionate New York, and shows with affectionate pride a large photographic pertrait of her preceptress tails from the only en-graved one that ever came near to doing that eminent lady justice. There is a warm friendship between Mrs. Sage and Miss Helen Gouid, the dangitter of Jay Gould, who in her own youthful way is every whit as admirable as the elder here.

lady. Miss Gould has one of those delicate appealing faces that instantly arouse the instinct of chivalrous courtesy in all beholders. She, too, has that excellent thing in a woman, a voice soft, gentle and low. The railroad magnate's daughthe low ine introducing the standard of the second second

When Days Were Three Hours Long. Away in the distant, when the earth was very young, it went facing, around so fast that the day was only "As

AN AMERICAN BILLIONAIRE. sibility That is Even a Probability In

More than 10 years ago John Swinton made the somewhat notable prophecy, "The nineteenth century will witness an American billion nire." At that time the richest man in the nation was credited with be-ing worth \$60,000,000 in hard cash. When young William H. Vanderbilt died he was said to be the prospective

There have been some interesting computations of the prospective wealth of this great family, allowing its investments to continue as sub-stantial as they now are, and substi-tute for the enormous revenues now returned from its great railway properties at the modest rate of 5 cent. Two years ago the wealth of the Vanderbilt family was thus sum-

Cornelius Vanderbilt	\$110,0
William R. Vanderbilt	\$5,0
Frederick W. Vanderbilt.	16,0
George W. Vanderbilt	18,0
Mrs. Elliott F. Shepard	12,0
Mrs. W. D. Sloane	12.0
Mrs. Hamilton McK. Twombley	32.0
Mrs. W. Seward Webb	12,0
Point -	

0.000

That this wealth has since grown to be \$500,000,000 is stating it very conservatively. The estimated income is \$15,000,000. At current rates of interest this fortune, if kept inof interest this fortune, if kept in-tact, will in 25 years have grown to be nearly \$1,000,000,000. The enor-mous pile of money comprised in \$1,000,000,000 is hardly to be realized by most people. What a figure a billionaire would be may perhaps be hast understood be asymptitut such best understood by saying that such a man, if his wealth were all concentrated in Minneapolis, would hold a clear title to the whole of the Twin Cities and all their suburbs-meaning all the lands and buildings as they stand, and a considerable portion of the state besides.

It is therefore by no means cer-tain that John Swinton's prophecy will not materialize before the century closes. The interest on the Vanderbilt wealth, at 5 per cent, would make it at the end of 5 years, \$340, 000,000; in 10 years, \$448,000,000; in years, \$941,000,000; in 50 years, 25 \$3,000,000,000.

But 5 per cent is only a conven-tional triffe in the face of the figures of profit on the great Vanderbilt roads. And as the Vanderbilts, along with the Astors, have adopted a poli ory in bequeathing property, which amounts in practice to English primogeniture, it is by no means im-probable that they may bring forth a billionaire before the dawn of the twentieth century. These are facts which may well set

all classes of men interested in the general welfare to thinking. The fabled wealth of the Cæsars was paltry beside the prospective mountains whose broadening shadows hang over millions of honest toilers struggling for a decent competence.--Minneapo lis Tribune

A Narrow Escape For a Baid Head.

"It has always been a mystery to me," said a prominent society young man of the west cod, "how people can be so absentminded. I have heard good stories about absent minded people, but none better than an incident which I know to be a fact There is in society circles in our section a young married man whose cranium is not prone to an overproduction of hair, but it would seem that what his head lacks his face makes up for. The young man aforesaid is not partial to beards nor barbers and acts as his own tonsorial artist. The other day he made all arrangements for a comfortable shave and had taken his position before the glass, razor in hand. Now, in his toilet room there are two large mirrors placed opposite each other, and as the young man stood with his back toward one the reflection of his bald head shone as a secondary image in the mirror which he was

"As absentminded people are accustomed to look rather into the distance, the young man overlooked his face and saw only the secondary im-age of his bald head. Without thought and with a dexterity that seemed born of practice the young artist began lathering the back of his head with a good coat. He was just about to proceed to use the razor when his wife stepped into the room and by her ejaculation of surprise aroused the husband to a sense of the Indiarons position he was in. He tells the story himself with a great deal of gusto."-St. Louis Republic.

SELLING A SECONDHAND STOVE. nes of a Man Who Decided to Give Up His Fial, Experie

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"Did you ever iry to sell your heating stove when you gave up your flat to send your missus out into the country?" pathetically in-quired a married man. "Well, if you're any way proud or stuck up, it will be good for you. You go to the stove dealer to whom you paid \$5 for 20 cents' worth of Russia iron pipe and half an hour's work. You tay you guess you'll move into a steam heated flat in the fall, and you don't care about storing the stove. He knows it's a good stove, because he told you so when he and you got the landlord to put a jack on the chimney.

" 'Oh, I never buy a secondhand stove, he says. You try other deal-ers. They want to know where you got the stove and look at you as if they thought you stole it. It's been a lesson to me. I'll never steal a stove, hot or cold, no matter how hard up I get. Too hard to get rid 30,000 00,000 of it.

"So I went to a secondhand store. Dusty old place. Things in it nobody would ever buy. Old man in there varnishing up a child's high chair. Told him I wanted to sell a heating stove. He never said a word for five minutes. I went on and described the stove so that a total stranger would recognize it if he met it on Broadway. Old man said nothing. I waited. Finally he looked up and asked: Well, what it is? What you ask for that stove? I told him I didn't know exactly. I'd sell it

cheap. "Old man said nothing. I gave him my address. I waited. "'Well,' said the old man, 'some

day I got nothings else to do I go me on that place. I got me no time to tell other peoples their business.' That's all he said to me. I can't be grn to tell you how insulting his manner was. The more I thought about it the madder I got. Half an hour later I went back and said to him in as bitterly sweet tones as I could get up: 'Although we may be unable to strike a bargain, I want to thank you for your gentlemanly treatment. I should like to meet you socially

"Did it freeze him?" "Course not. "Oh, that's all right, he said and nodded his head patron izingly and went on varnishing the baby's high chair."- New York World

Resuscitating the Apparently Drowned

A new method, the general princi-ple of which is indicated by its name, the traction of the tongue," has been introduced by Professor J. V. Laborde to revive those who have been rescued from a watery grave. It is exceedingly simple and has been attended with striking results. In a person who has been long immersed in water or otherwise asphyxiated it suffices to seize the tip of the tongue and pull upon the tongue rhythmically so as to cause rhyth-mical traction in imitation of the respiratory rhythm. The process should be kept up for a long time. If it is successful, the person gives a deep sigh, and sometimes vomiting occurs, and after that, if the trac tion be continued, respiration is usu ally speedily restored.

Professor Laborde has had occa sion to employ the process, and with almost invariable success, in cases of apparent death from drowning, and Billot has obtained excellent re-Dr. Bhilot has obtained excellent re-sults in testing its efficacy in cases of sewer gas poisoning. The process has been used by Professor Laborde for some time in cases of apparent death under the action of chloro-form in the case of animals operated on in the laboratory.—New York Telegram.

The Post and the Fishmonger.

I was in Grimaby not long ago, and went into one of the few fishmongers'

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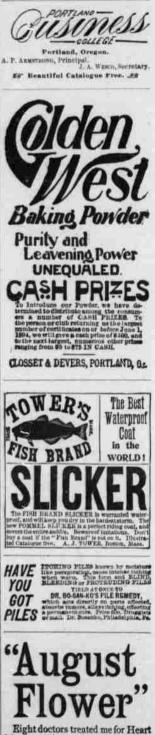




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of Lightnin The magnetic effects produced by lightning are often very curious. A chest containing a large assortment of knives, forks and other cutlery was, not many years ago, struck in the house of a Wakefield tradesman and magnetism imparted to the whole of the articles. Arago, in his "Meogical Essays," speaks of a shoemaker in Swabia whose tools were thus treated, to his indescribable an-

three hours long. The whole globe was liquid then, and as it span around and around at that fright-ful speed it finally burst into two parts. The smaller of the parts be-came the moon, which has been sailparts. ing around the earth ever since at an ever increasing distance. These cu-rious points are not given on the "suppose so" theories of an igno-ramus, but are the well matured de-ductions of Dr. Ball, the astronomer royal of Ireland. -Philadelphia Press.

thes treated, to his indescribable an noyance. "He had to be constantly freeing his hammer, pinchers and mife from his nails, needles and awis, which were constantly getting caucht by them as they lay togethor on the bench. The same authority knew of a Gencese ship which was wrecked near Algiers in consequence of some pranks played by lighting among the compasses, the captain innocent by supposing that he was sailing toward the north, when, as a matter of fact, he was steering due south.

The French Tricol

Red and blue, the old colors of Paris, linked by Lafayette with Henry IV's royal white, made the tri-color. A man's dress showed his party. The patriots wore light coats black waistcoat and trous The royalists dressed all in black with a white stock, or else in the livery of Artoi's green coat with rose solared collar.-Washington Star.

The worthy shopkeeper was gros talkative mood, and among other things told me that he was under orders to send a small hamper of fish daily to Lord Tennyson. In support of this statement he produced a letter from the post latreate's residence, and in handing it to The be said: "It's not from the lord im-self. It's from his son, Master 'Allam, 'Im wot's doing the postry now. And,' he added confidentially, "they do say as 'ow it isn't a patch on the old man's." 'ow it isn't a patch on the oid man's.' I thought the worthy fishmonger's idea that as a matter of course Lord Tenny-son's son, on his father's accession to other duties, would take over the poetry busine' just as in due time his own son would acceed him in the fishmon-gering line, sufficiently amusing to be chronicled.-Cor. Pall Mall Gazette

Fire Living Grandfathers. A little Cariboo girl a short time ago had five grandfathers living on her father's side of the family. Maine can furnish some good illustrations of re-markable families.—Bangor Commer-cial. Fire Living Grandfati

Disease and one for Rheumatism, but did me no good. I could not speak aloud. Ex erything that I took into the Stomrch distressed me. I could not sleep. I had taken all kinds of medicines. Through a neighbor I got one of your books. I procured a bottle of Green's August Flower and took it. I am to-day stout, hearty and strong and enjoy the best of health. August Flor saved my life and gave me my health. Mrs. Sarah J Cox, Defiance, O.

