Marvelous Beauty of Yosemite Valley Due to Erosion of Water Through Unccunted Ages.

After the visitor to the Yosemite valley has recovered from his first shock of astonishment-for it is no less-at the supreme beauty of the valley, inevitably he wonders how nature made However did it happen that walls so enormous rose so nearly perpendicular from so level a floor?

It will not tessen wonder to learn that it was water which cut most of this deep valley in the solid granite. Originally the Merced river flowed practically at the level of the canyon top. How long it took its waters, enormous in volume then, no doubt, to scrape with tools of sand this valley thousands of feet into the living granite, no man can even guess. And, as it cut the valley, it left the tributary streams sloping even more sharply from their levels until eventnally they poured over brinks as giant

waterfalls. But geologists have determined, by unerring fact, that the river did by far the most of the work, and that the great glacter which followed the water ages afterward did little more than square its corners and steepen its It may have increased the depth from 700 to 1,000 feet, not more.

During the uncountable years since the glaciers vanished, erosion has again marvelously used its chisel. With the lessening of the Merced's volume, the effect was to amazingly carve and decorate the walls.

USED HUMAN FLESH FOR BAIT

Hawailan Kings Utilized Bodies of Slaves or Enemies to Lure Mensters of the Ocean.

In the days of Hawalian kings, every part of the bone and skin of a shark was supposed to confer unflinching bravery upon the possessor. Wherefore, shark-fishing was then a regal sport. In those days, the balt much in vogue was the human bodyeither the body of a slave or of someone against whom the royal personage had taken a sudden dislike, according to Outing.

Kamehameha I. was especially proud and jealous of his title of the Great Shark-Fisher. He kept his victims penned up near the great temple of Mookini, near Kawaihae, on the island of Hawati. He therefore had a plentiful supply always on hand.

The person chosen to act as batt, was killed, cut up, placed in a calabash, and allowed to mellow for a few The mellowing process consummated, the balt was lashed to the outrigger of the royal cance in such a manner as to leave behind a dripping trail of blood and oil. reaching the fishing grounds, the balt was unlashed. Large books fashloned from wood or bone, were then 'balted" and lowered over-side. Historians tell us that great skill and courage were shown by the members of the royal party on such occasions in the roping and landing of the captured

History of Ballooning. filled with hydrogen was made in 1783 by M. Charles and M. Robert at Paris. Henry Cavendish, about 1766, discovered the great levity of hydrogen gas, and the following year Doctor Black of Edinburgh announced that a thin bladder filled with this gas must ascend into the air. Cavello experimented along these lines and found that a bladder was too heavy, paper not air-tight, but that soap bubbles filled with gas rose to the celling of the room. The first successful bal-Joon was made by the Montgolfier brothers, in France, in 1782. It was a fire balloon, inflated with hot air from burning paper. The Montgolfier success led M. Charles to experiment with hydrogen gas, and with M. Robert he traveled 31 miles in a hydrogen balfoon fitted with a safety valve. In 1735 Blanchard, the first professional seronaut, with Dr. John Jeffries of Boston, crossed the English channel. Military balloons were used at the battle of Solferino in 1859 and by the federal army during the Civil war near Washington in 1861.

Eves of Fishes. Although there are a few exceptions to the rule, the eyes of fishes are in cended to see beneath the water with, and, as in the case of the eyes in all animals, sight only becomes possible to the eyes of diurnal animals when there is light present. To be sure, there may be fishes that are nocturnal fishes, just as there are nocturnal nammals and birds of various kinds; but the majority of fish doubtless de pend upon the presence of light in order to see or use their eyes. Where the light is removed, and the removal persists for an indefinite period, it has uch an effect upon the eyes of fishes that some of their descendants may, within comparatively short space of time, lose the sense of sight entirely.

Tried to Follow Instructions. When a youth of Buffalo was invited to his first formal dinner party his

mother advised him how to appear to the best advantage and told him to say comething complimentary about the food. The young man attempted to soup was served he remarked:

"This is pretty good soup, what there is of it.

He saw that the remark was no well received and tried to save himcoif by saying. "And there's plenty of

British Authorities Evidently Made Deep Impression on Natives.

"If one were to ask a native of Welfrom petty extortion and tyranny, the ideas into the brains of men. obvious endeavor (not always successston says in "Lion and Dragon in hill and dale. Northern China."

"'What is it we like best in our said. 'Our native roads are narrow pathways, and very often there is no room for two persons to pass unless one yields the road to the other. When our last rulers-the Japanese-met our small-footed women . . . along such a path they never stepped aside to let the woman pass by . . . An Eng-lishman, on the contrary, whether mounted or on foot, always leaves the road to the woman. He will walk deliberately into a deep snowdrift rather than let a Chinese woman step off the dry path. We have come to understand that the men of your honorable country all act in the same way, and this is what we like about Englishmen."

WHY THEY ARE "DOUGHBOYS"

Origin of Nickname Applied to United States Infantrymen Traced to Mexican War.

The term "doughboy" as a nickname for the American infantryman is a very old one, dating back to the Mexican war of 1846. In that year the United States regular soldiers first made acquaintanceship with the of mud-colored, sun-dried bricks that are seen everywhere, even today, in New Mexico, Arizona and the southern part of California.

These bricks are called by the Mexican adobes (pronounced "dobles"), a term also applied to the small, squat, flat-roofed houses built with them.

When the American invaders entered what was then Mexican territory, the infantrymen found these dwellings-mostly deserted by their panic-stricken inhabitants-handy as billets, and promptly occupied them as such. But the cavalrymen, who had to be near their picketed horses out on the open prairie, were unable to avail themselves of similar accommodation.

Partly in envy, and partly in goodnatured chaff, these christened their more fortunate comrades "doble dodgers," afterwards shortened to "dobles," a good, round-sounding nickname that was bound to stick, and which in course of time became corrupted into "doughboys."

John Burroughs' Rabbit. In July the woodchuck was forgotten in our interest in a little gray rabbit which we found nearly famished, writes John Burroughs. It was so small that it could sit in the hollow of one's hand. . . . We had to force the milk into its mouth. But in a day or two it began to revive, and would lap the milk eagerly. Soon it took to grass and clover, and then to nibbling sweet apples and early pears. It grew rapidly, and was one of the softest and most harmless-looking pets I had ever seen. For a month or more the little rabbit was the only company I had, and it helped beguile the time immensely. In coming in from the field or from my work, I seldom failed to bring it a handful of red clover blossoms, of which it became very fond. One day it fell slyly to licking my hand, and I discovered it wanted salt. I would then moisten my fingers, dip them into the salt, and offer them to the rabbit. How rapidly the deficate little tongue would play upon them, darting out to the right and left of the large front incisors, the sander paws being pressed against my hand as if to detain it.

Tri-Color Not of Equal Proportion. It is evident from the appearance of the French flag as a pictorial decoration that many artists are unaware that the tri-color does not consist of the three colors, blue, white and red, in equal proportion. When the famous flag was adopted in the year that gave the United States its Constitution. 1789, it was complained that due to an optical Illusion, the white, in the middle, looked narrower at a distance, than the blue, which is next to the staff, and that the red, on the fly end of the flag, looked narrower than the white. After numerous experiments, the proportions of the colors were ordered to be, as they are now, "In every 100 parts, blue to be 30, white, 33 and

Ladles Shave in Japan, There are many things the Japanese do differently from ourselves. For instance, ladies sit with their bands folded palms upward in Japan. They all shave. They never brush their hair, but only comb it. For the English "a thimbleful" the Japanese speak of "a sparrow's tear," and instead of follow his mother's advice. When the talking of putting a thing on the fire to cook, the Japanese speak of putting the fire through it. A man never wishes his wife good morning first-a truly oriental touch. She greets him and he replies. A woman never speaks of her husband as such. She speaks of "the

Consideration Accorded Women by Aviators Believe That Flying is Bound to Have Great Influence on the Minds of Men.

Flying, in the opinion of British hai-wel what were the characteristics aviators, is going to change the charof British rule that he most appre- acter of the world's thought. It will clated, one would perhaps expect him have a broadening influence and it Rosenfeld Smith Co., one of the peto emphasize the comparative freedom will bring a fresher, cleaner flow of titioners in the above entitled mat-

ful) to dispense even-handed justice, seen before him at the same time the records of this cause that W. B. the facilities for trade, the improve- cliffs of England, the long flat fields of Simmons, alleged bankrupt, has dement of means of communication. It Holland and the smiling countryside parted from and resides out of this was not an answer of this kind, how- of Belgium and France is bound to District and cannot, after due diliever, that I received from an intelli- think in a different way than a man gence, be found within this district; gent and plain-spoken resident, to whose horizon has always been bound- and, whom I put this question," R. F. John-ston says in "Lion and Dragon in hill and dale.

each other, separated only by a shin- party respondent hereto; and, ing strip of water. He will see the farther on, across the wide Scheldt on over the rim of the world.

How will he regard petty spites behis thumb from the heights a fever- poena: ish city swarming with a million people. What will he think of those who quarrels and jealousies and hates will

The true meaning of human intercourse and friendship will come home outlook upon the world. Dishonesty, tors, this is the new view which will bring the millennium.

NOTHING DOING FOR JOSEPH

Might Be the Engineer, but Found He Had Little Control Over Steam Powers

Meekly made up his mind that he wasn't going to be bossed any longer by his wife, so when he went home at noon he called out, imperiously:

"Laura! Laura!" Mrs. Meekly came out of the kitchen with perspiration on her face, her hands covered with war flour, and a rolling-pin in her hand.

"What do you want with Laura?" she asked.

Meekly staggered, but braced himself up. "I want you to understand, madam"—and he tapped his breast dramatically-"that I am the engineer of this establishment, that I am-"

"Oh, you are, are you? Well, Joseph, I want you to understand that I"-here she looked dangerous-"I am the boiler that might blow up and sling the engineer over into the next street. Do you hear the steam escaping, Joseph?"

Joseph heard, and prayed that he might be passed Grade 1 when he went before the medical board.-London Tit-Bits.

Locating Ore Beds.

Reds of ore are stated to have been located at a distance of two and a half miles by the electrical method patented in the United States by Professor R. A. Fessenden. In the locality where the existence of valuable ores is suspected, a number of boles several miles apart are bored, then filled with water, and a Fessenden sound oscillator is immersed in one as a transmitting apparatus, the receiver submerged in each of the other holes being an Einthoven recording secillograph. The holes may be five miles. or more apart over the area being investigated. In the study of the oecillograph records, special attention is given to the relation between sounds received direct and those from schoes, and it is found possible to get a fair idea of the character of intervening masses of rock and of the position and distance of neighboring deposits of ore.

World's Greatest Soldier.

Physically, Foch is a little man, hisnches are about those of Napoleon, and he has Grang's fondness for the cigar. Like Joffre, a southerner, he has frankness of speech which his old commander has never displayed. Unlike Petain his words are rarely caustic and he has made friends smong all his allies. An sid man, close to serenty, yet younger than Clemenceau, he was still handsome when the war begen, but the strain has marked his face and only his eyes reveal an unshaken spirit.-Frank H. Simends in

Sing Sing Jail Short of Labor. The labor shortage has hit even Sing Sing, which has a stationary supply of 1,500 men. The officials are puzzled because they are unwilling to employ women. Although Warden Moyer has an allowance for a maid, he never has hired one. The only woman ever employed within the prison walls, a telephone operator, left after a few days, saying that there were too many men.

Enterprising Alaskan Village. Noorvick, a native village near Non Alaska, is said to be the only Eskimo village in northern Alaska possessing electric lights and a wireless plant. The light plant and wireless station were installed by Delbert Replogle. teacher at the Noorvick government school. Mr. Replogle, who was in Nome recently on his way to the States, said he left natives in charge of the improvements.

MOTHER NATURE AS SCULPTOR WHAT APPEALED TO CHINESE MAY MEAN MUCH TO WORLD Order Directing Publication of Subpoena to Answer.

In the District Court of the United States, for the District of Oregon. In the matter of W. B. Simmons, Alleged Bankrupt.

Upon the reading of the affidavit of Walter Rosenfeld. President of ter, and it satisfactorily appearing A man, the flyers argue, who has therefrom and from the files and

Traveling may have made him think ers, that a good cause for the adjunationally, but flying will make him dication of said W. B. Simmons, a British rulers? I will tell you, he think far more largely. He will see bankrupt, exists herein, and that W. England and France lying close to B. Simmons is a necessary and proper

It further appearing that a subgreen and brown mosaic of Belgium, poena to answer has been duly issuwhich in its turn merges into the dis- ed out of this Court in this matter. tant shadow of Holland, while, still and that personal service of the same cannot be had upon said W. B. Simhe will see the distant lowlands sweep mons for the reasons hereinbefore stated and by the said affidavit made to appear; and that the Martween individuals and cliques then? shal of the District having duly made the birdman asks. He can cover with a "not found" return on said sub-

Therefore, on motion of N. Ray Alber, of attorneys for petitioners. live next to each other and will not It is ordered, that the service of speak? How mean and petty their subpoena to answer in this matter be made upon the respondent and alleged bankrupt; W. B. Simmons, by publication thereof in the Headlight. a newspaper of general circulation in to-him. He will gain an almost divine the City of Tillamook, County of Tillamook, District of Oregon, and that civil strife, all will seem to him said publication be made not less contemptible. Perhaps, say the avia- than once a week for two (2) consective weeks:

It is further ordered, that a copy of the petition and subpoena to answer, duly certified to, be mailed to defendant at the town of Wheeler, County of Tillamook, State of Oregon his last known address; and,

It is further ordered, that said W. B. Simmons, alleged bankrupt and respondent herein, be and he hereby is granted and given up to and including the 6th day of January, 1919, to answer or otherwise appear and plead herein; that in default of same he be adjudicated an involuntary bankrupt in accordance with the Bankruptcy Law and the rules and practice of this Court.

R. S. Bean, Judge. Dated this 12th day of December, 1918.

Your Chance For a Good Business At A Great Bargain.

The City Transfer Co., of Tillamook, Ore., offers for sale cheap in bulk or singley the following:

- 1 Mack Truck. 1 Maxwell Truck
- 3 Teams horses.
- 3 Sets harness.
- 2 Dray wagons, 3 Wood wagons.
- 1 Dump wagon.
- 1 Piano mover.

Office fixtures and all equipment sed in the busine

For particulars inquire at the office of the Company.

ENGINEERING And Vocational Training.

Approved by U. S. Gov. Officials. The most thorough and practical school in all Engineering and Vocational Sciences-offering complete courses in ONE HALF the time usually required by Universi-

Elimination of nen-essential subjects; intensified courses and individual instructions enables us to effect the saving of time.

Well equipped shops, laboratories and field instruments.

Courses in: Civil, Electrical, Mechinal and Mining Engineering. Auto-Mechanics, Machine Shop. Oxy-Acetylene Welding, Commercial and Wireless Telegraphy. We have fully demonstrated that

it is not necessary to spend four years in High School, and another four years in University before being an Engineer.

Actual engineering work done by advanced students. Opportunities to earn board and lodging.

New Term Beginning Jan 6th. Address

Polytechnic College of Engineering 13 & Madison Sts. Oakland, Cal.



SANITATION.

That the germ is the cause of most deadly disease is more than mere Bell Phone-32J theory-it is a real fact. The work of tuberculosis sanitoriums, the typhoid hospitals in the canal zone, the vaccine laboratories are all evidence of the fact that the safety of man does not depend on good or bad luck, but upon the fight which each individual makes upon the disease germs, the cause of most losses d life and dollars. In selecting a wearon to kill the germs of disease several TILLAMOOK - OREGON. vital questions must be looked squarely in the face or disinfectanting will be little better than useless. First-Has the disinfectant the power to kill all kinds of disease germs? 2nd, Can the disinfectant be used safely whenever disease germs are found? 3rd, Is it effective, when used anywhere and every where, and by any where and every where, and by any body, and can it be used with safety? Tillamook - - - Oregon Therefore a disinfectant that can be used with safety must not be a poison or coatine acid, whereas poisonot disinfectants endanger the life of human beings or animals, this can be verified by turning to the files of our daily papers. When buying a disinfectant be sure what you buy as your life may depend on that purchase, look at the label, note germ killing power and if it is poisen or not. Disinfectants are measured upon the germ killing strength of undiluted carbolic acid, which they term a phenol coefficient. Look for the phenol coefficient on the label.

B. K. was tested by the United States Hygiene Laboratory and found to have a phenol coefficient 10 plus or ten times stronger than undiluted carbolic acid as a germ killer. Much stronger than coal tar disinfectaats -much safer.

Safe-B.-K. contains .no .poison,

Clean-B .-- K. is colorless, leares stain on floors or walls. Drodorant_B .- K. destroys foul TILLAMOOK.

odors leaves no odor of itself. Cheap to Use—B.--K. is so much ronger than other disinfectants that it does more disinfecting for the same money. Use it in Barber Shops, Barns, Bath Tubs, Bleaching, bread boxes, chambers, closets, cupboards, cuts and scratches, house and kitchen, laundry, nasai and throat sprays, nursing bottles, operating rooms,

purifying air, sick rooms, etc. B .-- K. is not a cure all but athorough germ killer. Protect yourself now against any dangerous disease germs that you may come in contact with by using B.-K. B.-K is sold in quart and gallon bottles. Our guarantee. B--K stands absolutely on what it does for you. Use it according it exactly as represented by us we will refund your money-For sale by Kuppenbender, bith phones.

> Ornamental Fire Places Built of Brick and Stone, All Fire Places absolutely guaranteed not to smoke or money re Brick work of all kinds done

on short notice. We make a specialty of repairing smoking Fire Places.

RALPH E. WARREN.

TILL AMOOK, ORE.



the housewife-greatest since the electric iron and electric vacuum cleaner-the

Western Electric PORTABLE SEWING MACHINE

No more tiresome treadle pushing - no more backache—a little electric motor does the hard work.

A foot control gives any speed desired.

The entire machine in its case can be carried anywhere-it's no larger than a typewriter.

Ask for a demonstra-

COAST POWER CO THE ELECTRIC STORE.

R. O. L. HOHLFELD, VETERINARIAN.

Mutual Phone. Tillamook - - Oregon.

AVID ROBINSON, M.D.,

PHYSICIAN AND SURGEON NATIONAL BUILDING,

R T. BOALS, M.D.,

PHYSICIAN AND SURGEON. Surgeon S.P. Co.

(I. O. O. F. Bldg.)

ROBERT H. McGRATH, ODDFELLOWS' BUILDING. TILLAMOOK, OREGON. PORTI AND OFFICE .

CARL HABERLACH

1110 WILCOX BLD.

ATTORNEY-AT-LAW. TILLAMOOK BLOCK

Tillamook - - Oregon

WEBSTER HOLMES, ATTORNEY-AT-LAW

COMMERCIAL BUILDING. FIRST STREET.

· OREGON

DR. L. L. HOY,

PHYSICIAN AND SURGEON TILLAMOOK BLOCK,

Tillamook, - - Oregon.

H. T. BOTTS

ATTORNEY-AT-LAW. Complete Set of Abstract Bocks in

Office. Taxes Paid for Non Residents.

TILLAMOOK BLOCK. to directions then if you don't find Tillamook - . . Oregon Both Phones.

W. C. HAWK,

PHYSICIAN AND SURGEON

Bay City . . . Gregor

R J. G. TURNER.

EYE SPECIALIST. PORTLAND - OREGON Regular Mouthly Visits to Tillamook and Cloverdale. WATCH PAPER FOR DATES.

T H GOYNE,

Tillamook - .

ATTORNEY-AT-LAW. Office: OPPOSITE COURT E JUSK

Tillamook - . . O. rgon.

JOHN LELAND HENDERSON. ATTORNEY AND COUNSELLOR-AT-LAW. TILLAMOOK BLOCK,

H. T. Botts, Pres. Attorney

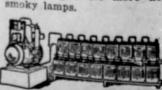
ROOM NO. 261.

at-Law. John Leland Henderson, Secretary Treas., Attorney-at-

Law and Notrary Public. Tillamook Title and Abstract Co.

Law Abstracts. Real Estate, Insurance. Both Phones. TICLAMOOK-OREGON.

DELCO-LIGHT Plenty of bright, safe clean



electric light. No more hot,

ACKLEY & MILLER Tillamook Garage,