ZIGZAG VALLEYS.

The Processes of Nature by Which

They Are Formed. Volcanie action has in most cases primarily determined the configuration of the crust of the earth, but the chief agents in the formation of tortuous valleys have been streams flowing above ground or below the surface. These naturally take the course of least resistance, dislodging the softest soil, and thus gradually enlarge their channels and are flanked by rising ground.

It has been ascertained by a wellknown expert that the serpentine course of the valley of the Cheddar gorge is. caused by the jointing in the limestone. The rock, he tells us, is traversed by, two systems of joints, which appear to be vertical or nearly so, intersecting approximately at a right angle. The joint surfaces form salient and re-entrant angles, the former opposite to the latter, so that if the two sides of the glen were brought together they would seem to interlock. Water above or below the surface would soak along these open joints and widen them into fissures, and this movement, sometimes to the right and sometimes to the left, would follow zigzag lines, so that the natural course of the current would by its continuous action excavate a valley of this unusual character.-London Answers.

A Verified Story.

A group of railroad men in New Orleans were talking about the fastest rides they ever experienced, says the Times-Democrat. One man in relating his experiences said: "Across bayous and through marshes we rushed like mad. When we reached the Rigolets, the most remarkable thing I ever saw took place. The train was traveling so fast it sucked the water up behind it as it rushed across the trestle, and I could hear the fishes groan as we flew over this neck of the gulf. Most remarkable thing I ever saw in the way of fast runs." And he lapsed into si-

run," said another member of the group. "I had forgotten the incident. I can youch for all you say, for I was on the back end of the last coach, and the water which was sucked in behind the train by the vacuum almost washed me overboard, but I held on all right, and when we made the crossing and the waters had receded I picked up on the platform of the rear coach a person is really "struck" by the the finest bunch of fish I ever saw. They were no doubt the fish you heard

Smallpox In Olden Days.

The first accurate description of the nature and ravages of smallpox is that of Rhases, an Arabian physician, who flourished in the tenth century and was the author of books on medicine and alchemy.

This terrible scourge was also described in most of the ancient Chinese and Indian books. In China it was traced back to the times of the Emperor Kwang Wu, who reigned A. D.

The earliest Chinese treatise on smallpox was published in 1323, and from this it appears that inoculation has been known and practiced in the far east since the Sung dynasty, A. D. 960-1127. Chinese experts hold that the poison is communicated by the parents to their offspring, so that all possess its germ in their constitution, waiting only for circumstances favorable to its development.

The Marine Flag.

The revenue marine service flag, authorized by act of congress March 2, 1799, was originally prescribed to "consist of sixteen perpendicular stripes, alternate red and white, the union of the ensign bearing the arms of the United States in dark blue on a white field." The sixteen stripes represented the number of states which had been admitted to the Union at that time, and no change has been made since. Prior to 1871 it bore an eagle in the union of the pennant, which was then substituted by thirteen blue stars in a white field, but the eagle and the stars | into ye fire, item 3s. Gd." The points are still retained in the flag.

Slope of Rivers.

Generally speaking, the slope of rivers flowing into the Mississippi from the east is on an average about three inches per mile. Those entering it from the west have an average descent of about six inches per mile. The average descent per mile of the Missouri after it leaves the mountains is reckoned at about a foot; the Des Moines from its source to its conjunction with the Mississippi, 7.3 inches. The entire length of the Ohio shows a fall of even five inches. The Mississippi from the mouth of the Ohio to the gulf has a fall of but 21/2 inches.

Friend With a Reservation. Mooney-Brace up, man! Troth, yez luk as if yez didn't hov a fri'nd in th'

whole wurrld. Hogan-Oi hovn't. Mooney-G'wan! If it ain't money

yez wan't t' borry, Oi'm as good a fri'nd as iver yez had.—Brooklyn Life.

Rubbing It In. He was mumbling about tough steak

and cold coffee and making himself generally disagreeable. "Don't growl so over your breakfast, John," said his wife. "Nobody is going to take it away from you."

Her Odd Years.

"Madge says she is twenty odd years

"That makes her more than forty." "How do you make that out?" Edgunt the even years too."-Newark

There is nothing quite so provoking to a busy man as to have some idler come along and arouse his curiosity.-

Atchison Globe,

Centre Reporter, \$1.00 per year, in

GEORGE ELIOT.

A Story of the Author and the Manu-

script of "Daniel Deronda." Ocorge Eliot was consplcuous as a erson who was kindly and sympathetin a high degree. She was "ever ready to be amused and interested in Il that concerned her friends," She had also a keen sense of humor and ometimes made her friends laugh as well as laughed with them. She was solicitous about her manuscripts and was afraid she should lose them. Blackwood had occasion to send her the manuscript of "Daniel Deronda." She would not have it intrusted to the mail, and Mr. Blackwood said he would send It by his footman the next day.

"Oh, don't," the author said. "He might stop at a public house and forget

Mr. Blackwood explained that this footman was a perfectly sober man of high character and went on to praise the man's virtues, but this did not reassure her at all. "If he is the sort of chivalrous Bayard that you describe,' she said, "he is just the kind that would

stop and help at a fire!" This was a contingency that Mr. Blackwood could not bear to consider. He promised that some member of his family would bring the manuscript, and divided and the state seemed in the next day, in fact, Mr. Blackwood drove over with it.

How Lightning Kills.

The cause of death by lightning is the sudden absorption of the electric current. When a thundercloud which is highly charged with positive electricity hangs over any certain place, the earth beneath it becomes abnormally charged with the negative electric current, and a man, animal or oth er object standing or lying directly beneath also partakes of the last mentioned influence. If, while the man, nnimal or other object is in this condition, a discharge takes place from the cloud above, the restoration of the equilibrium will be sudden and violent, "I am glad you reminded me of that or, in language that we can all understand, the negative current from the earth will rush up to join the positive cloud current, and in passing through the object which separates the two currents, if it be an animate thing, will do so with such force as to almost invariably produce instant death.

According to the above, which seems a tenable hypothesis, to say the least, ground current and not by the forked fury from above at all.

The only relaxation Kant, the celebrated German philosopher, allowed himself was a walk, which he invariably took during his life at Konigsberg at about the same four every afternoon. His usual stroll was along the banks of the Pregel toward the Friedrich's fort, and in these walks he was always a careful observer of the phenomena of nature. He told his friends one day known as the "bean disease" and how, as he passed a certain building in

Repairing a Crown. What curious old records one comes across sometimes in unexpected ways! Here is one which rather calls to mind certain fairy tales beginning "Once upon a time" and going on to recount extraordinary proceedings quite as if they were the most natural and common things in the world. It has reference to Edward III. and Philippa of Hainault and is kept with other documents at Harwich, their majestics having had at the time a palace at Pelixstowe. It runs thus, "For repairing ye queen's crown which ye king threw which strike one in this memorandum are the violence of the king's temper and the cheapness of the mending process.

A Doctor With Experience. One day, while mending the roof of his house, Chodja lost his balance and, falling to the ground, broke a rib. A friend of his went hurriedly for a ha-

kim (doctor). "Hakim, have you ever fallen from a roof and broken a rib?" was the first question Chodja asked the doctor.

"Thank God, no!" replied the hakim. "Then go away at once, please," cried Chodja. "I want a doctor who has fallen from a roof and knows what it left"

The Migratory Crab.

The West Indian migratory crab is sea, matures in fresh waters and passes its adult life on land. Once a year these creatures migrate in thousands from the uplands of Jamaich, deposit their ova in the sea, then interact to the rivers and streams, pass through a fresh water stage, after which they follow their parents to land until the time | their soldier boys. comes for them to return to the sea to lay their eggs in turn.

Stern Father - What an unearthly hour that fellow stops till every night, Dora? What does your mother say about it?

Daughter-She says men haven't al tered a bit since she was young pa-

A Factor In Progress.

A trained, educated mechanic is the most powerful factor in the progress of nations. Such a man thinks, provides for the unexpected, multiplies his forces and dares the world to meet him,-Galveston News.

40 per cent. below price-Garman's.

would preach patriotic, gospel sermons to the bays.

Rev. Heilig had fitted up a room in his house, the "parsonage or Octagon House," for the accommodation of our sick, and it was frequently occupied during our stay there, and during which time we had no other hospital. [The sick also received the attention and many delicacies from the good family and if ever they received any remuneration for the same I never heard of it.

Mr. Marston had fitted up a very convincing proof that the kidneys and bladcomfortable room in one of his build- der are out of order. ings with writing paper, pens, ink, paout and in at their pleasure and to

withal, we stole his turnips and apples. ed constantly over their dwellings, but lf-you need a medicine you should have the further out the people were very much best. Sold by druggists in 50c. and \$1. sizes. balance. At Towson, the county seat of Baltimore county and only three or four miles from camp Forster, (Luther- absolutely free by mail. ville) two separate companies for the Address Dr. Kilmer & war were being raised at the same time, during 1861-one, an infantry company for the Union Army while the Confederate Army, the horses for bottle which, all black, were furnished by a wealthy Maryland planter of the neighborhood, who became its captain.

Both companies were made up of young men, each determined to be in the ascendency, hence there were frequent skirmishes around their respective flag poles till both companies

moved to the front. On several occasions I met officers and men of the Union company in Towson, home on furlough. We often prowled through the fields and forest of the planter who fitted out this company of black horse cavalry. This incident shows the condition of the Southern border states and the troublous conditions confronting the people. The people of Lutherville visited us in our camp every day during our stay, to see the boys, and on drills, paradea and inspections, but Sunday was the chief visiting day, ()n that day gentlemen and ladies in great numbers would come to see us and bring us fruit, melons and good things to eat; on several occasions a one horse truck was required to bring in the abundant treat. They would remain for hours, mingle with the boys and have a so- west of ciable time. We formed many very the foll

the scarcity of insects, and the birds were apparently sacrificing some or their progeny to says the rest. "At this," added Kant, "my intellect was hushed. The only thing to do here was to fall down and worship."—Chambers' compared a streight. The Regiment, almost one thousand strong, well disciplined, equipments all new and polished, the arms glittering in the sun like polished silver, our beautones, set single harmess, six set borse goars, lines, brides, lot of potatoes, by the bushel, barrel vinegar, chopping machine, together with a lot of nonzeho d goods.

JACOB BEEON, Many and worship."—Chambers' all down and worship."—Chambers' all levels and polished silver, our beautones. tiful national flag in the center and H. H. Miller, auctioneer, close beside it the blue flag with the coat of arms of the proud and power, ful state of Pennsylvania, periainly presented a magnificent sight, and when we "turned by companies into line," the ground seemed to tremble under the firm, heavy tread of many feet. What would ur comrades still living not give to see the 148th once more as it was then in its evolutions and drills and to hear the visitors again say, they are Pennsylvanians, and the music of that magnificent drum corps, that "woke the echoes" far and near." Oh, memory, cease not to hold up to us the memory, cease not to hold up to us the

memories of those days. When we left on that gold becember day, they gave us as hearty and as affectionate good byes as we ould expect from our own far away homes, and many were the tearful eyes on that day among those dear, kind-hearted people, while thay lingared among those uny a in blue about the station, during that long wait in the snow, and when the train pulled out they waved flags and handkerchiefs until the train passed out of sight. Three years later, when the war was over, and we passed the village in a freight train on our way home, our friends of former days lined the road. We made it known to them that we were their old friends, or the remnant of Co. A. the only creature that is born in the and the 148th P. V. at which they showed their pleasure at seeing us again, with shouts, waving flags and bandkerchiefs; men and boys removed their hats, waved them wildly, many in tears, for joy, over the restoration of the Union, the return of peace and

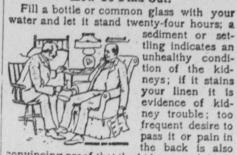
On Oct. 1st, 1862, a delegation of friends and relatives from our Pennsylvania homes, arrived in camp of Company A, bringing for us half a ton of home-made bread, a barrel of apple butter, two hundred pounds of butter, barrels of onions, etc., and cakes of all a'an and kalues, without number, and for some days we fared finely, while our visitors lived on soldiers' rations, just for the novelty of the thing. One man said that our "hard tacks were pretty good." They said nothing in waver or our meat, but said that our coffee and salt were good.

Laundry soap at 5 cents per pound, o per cent. below price—Garman's.

Writing paper bought by the pound; the only sensible way to buy it; 10, 12, and 20 cent quality, about 110 sheets to a pound—Garman's.

Thousands Have Kidney Trouble and Don't Know it.

How To Find Out.



pers and books, a comfortable bed, etc., while every window blind was a U. S. Root, the great kidney remedy fulfills every flag. Mr. Marston told the boys to go wish in curing rheumatism, pain in the back, kidneys, liver, bladder and every part sleep there. The bed was frequently to hold water and scalding pain in passing occupied and was always made up and it, or bad effects following use of liquor, the room in order by evening, yet, wine or beer, and overcomes that unpleasant necessity of being compelled to go often during the day, and to get up many times The people of Lutherville, a few during the night. The mild and the extrafamilies excepted, were patriotic, Un- ordinary effect of Swamp-Root is soon ion people and the National flag float- realized. It stands the highest for its won-

> You may have a sample bottle of this wonderful discovery and a book that tells and a book that tells more about it, both sent absolutely free by mail. Co., Binghamton, N. Y. When writing mention reading this generous offer in this paper.

Don't make any mistake, but remember the the other was a cavalry company for and the address, Binghampton, N. Y., on every name, Swamp-Root, Dr. Kilmer's Swamp-Root,

> XECUTOR'S NOTICE.-LETTERS TESTAmentary on the estate of Lydia Neese, late of Gregg township, deceased, having been duly granted to the undersigned, he would respectfully request any persons knowing themselves indebted to the estate to make immediate payment, and those having claims against the same to present them duly authenticated for settlement.
>
> ROBERT W. NEESE, Jan. 22. Executor, Spring Mills, Pa.

A DMINISTRATOR'S NOTICE.-Letters Administration on the estate of Jeremiah Stover, late of Gregg township, deceased, having been duly granted to the undersigned, they would respectfully request all been duly granted to the undersigned, they would respectfully request all persons knowing themselves indebted to the estate to make immediate paymeni, and those having claims against the same to present them duly authenticated for settlement.

M. L. RISHEL, Administrator, Farmers Mills, Pa., January 15, 1903.

A DMINISTRATOR'S NOTICE -- LETTERS Long, late of Gregg township, deceased, having been duly granted to the undersigned, he would respectfully request all persons knowing themselves indebted to the estate to make immediate payment, and those having claims against the same to present them duly authenticated for settlement.

LEWIS KORMAN, Administrator, Penns Cave.

TOUSE AND LOT AT PRIVATE SALE .-A house and lot, at Centre Hill. The property contains five acres, and upon which is crecied a good dwelling house, stable and outbuildings; also two gardens and fruit trees. It is a very desirable home.

22novéi MRS. W. W. ROYER, Centre Hill, Pa.

DUBLIC SALE—There will be sold at public sale at the residence of the undersigned, in Pena township, one and one-half miles southwest of Millheim,

THURSDAY, MARCH 12, 10 A. M. his daily walk, he had noticed several pleasant acquaintances with the people and they seemed as much interested in us as if we were their own boys.

On looking up he discovered, as he fancied, that the old birds were actually throwing their young ones out of the nests. It was a season remarkable for the scarcity of insects, and the birds were almost one thousand at the scarcity of insects, and the birds were almost one thousand at the scarcity of insects, and the birds were almost one thousand at the scarcity of insects, and the birds were almost one thousand at the scarcity of insects, and the birds were almost one thousand at the scarcity of insects, and the birds were almost one thousand at the scarcity of insects, and the birds were almost one thousand at the scarcity of insects, and the birds were almost one thousand at the scarcity of insects, and the birds were almost one thousand at the scarcity of insects, and the birds were almost one that the people turned out and these were interplanted in the following personal property: Three good work horses, three year old coit, nine milk cows, some will be fresh by time of sale. Three heifers, five head young cattle, buil two shorts believe horse wagons, two-horse platform spring wagon, two-horses edds, log sled. Empire ratio four-horse wagons, two-horse platform spring wagon, two two-horses edds, log wagon, two two-horses edds, log sled. Empire ratio four-horse wagons, two-horse platform spring four-horse wagons, two-horse sleds, log sled. Empire ratio four-horse wagons, two-horse sleds, log sled, four-horse wagons, two-horse platform spring four-horse wagons, t

Sale at the residence of the undersigned, one mile east of Potters Mills.

sale at the residence of the undersigned, one mile east of Potters Mills.

FRIDAY, MARCH 13, 10 A. M.,
the following personal proper y: Two work horves, bay horse, four years old span of mules, well broken, pair yearlying mule colts, will make good animals, two-year old colt, seven mileh cows, two spartforn buils, nine head young cattle, twelve good sheep, ten shoats, brood sow, two wagons with 4-theh tire, bob sied, log sled, 2-spated sleigh, buggy, 2-seated spring wagon, eart, Deering binder, Champion mower, hay rake, buckeye cultivator, land roller, corn scraper, Centre Hall corn planter, two new Sysacuse plows, spike tooth and spring harrow, Superior grain drill, single and double trees, spreader chains, rakes and forks, two, sels gears, set buggy harness, collers, bridles, synets, set spring wagon harness, check times, cable chains, digging irons, picks, shovels, etc.

Potters Mills, Pa

Touris and, ra.

DUPLIC SALE—One-half mile east of Centre Hill, on W. H. Meyer farm, WEDN ESDAY, MARCH 18, 10 A. M. Dapple gray, six years old, weighs 1425 lbs., gray, eight years old, weighs, 1250 lbs., wo-year old stallion, fine mare, two years old, tea fine milloh cows. shorthogn bhill, three years old, very gentie, yearling built, ten head young cattle, eighteen fine shoats, Poland brood sow, thirty-two fine sheep, Shropshire buck, sow, will drop pigs about time of sale, Osborne Columbia binder, Osborne mower, Peansylvania force feed fertilizer grain drill. Imperial sulkey plow, Vulcan plow, Nr. 13, tarbe spring tooth harrows, shovel plow, Hench, riding cultivator, corn sheller, fodder cutter, hay carrier, can be used in any barn lady's bicycle, good as new, two sets team fairness, set boggy harriess, two sets check lines, brides, collars, plank sleds, second fiand weapon spokes and rims, scrap iron, sorks, wagon jacks, one-man cross-cut saw, ash hopper frame, broad ake, carpenter's borting machine, ice tongs, two pieces water pipe, 3- inch ruober hose in four sections, hay tone, double farpoon with 189 feet 3- inch mania rope, four pulleys, self-feed coal grace, two bbis, cider vinegar, etc.

Centre Hill, Pa.

TOR SALE—The property in Centre Hall known as the "baniel Fleisher Homestead" will be sold at private sale cheap, to close up estate. For particulars address.

J. R. FLEISHER, Executor, Jamestown, N. Y., No. 713 Washington St.

**OR RENT—The Dinges Store building is for sent, good location for bakery or general business.

H. W. DINGES, Centre Hall, Fa. business. Jan. 22, 1903.

AGON FOR SALE—A new one-horse wagon, box and lock complete cheap,—\$30.00 cash

JOHN L. McCLENAHAN,

January 8, 1903, 54,

Centre Hall, Pa. An infant's vest at 25 cents that is a

tunner-Garman's.

KREAMER & SON.

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A Complete line MEN'S AND BOYS' SHOES.

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Kreamer & Son, Gentre Hall, Pa.



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Making up a Stock of Furniture to suit all tases is no small task, but I have succeded. The popularity of my store as a destributing center of-

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A Farmer or His Son

r a townsman will be hired by us at \$60 MONTH or a townsman will be hired by us at \$60 MONTH LY and expenses, or 30 per cent. commission to take orders for our Farm Seeds, Fruits and Flowers. We sell four grades of fruits, so any competition can be met. Our stock warranted. You do not deliver or collect. Can devote all or part time. We pay you each week. Good chance to earn money this winter. Write for free outfit at once.

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Marble AND

Granite, Don't fall to get my prices.