ers in California-Varied Devices for Adulteration. The value of gold dust was not known to the earliest miners in California, Marshall and those who were with him at the saw-mill race had never seen gold in its virgin state before the discovery. The first gold sold at Coloma. it is said only brought \$8 an ounce, but it afterward rose to \$16, at which figure it remained for some years. Sellers and buyers did not for a long time realize any difference in the value of different dust. "What are you paying for dust to-day?" was the question often asked by the miners of the dust-buyers. Thus in those times no more difference was recognized in the quality of different gold than is to-day recognized in the quality of different sand or sawdust. Buyers mixed their dust together as they sent it to the mint, and paid an average price for it all. This was a very good thing for the miners who had poor dust and very unfair for those who had dust of the best quality. After-wards it was found that the dust as it was taken from the earth varied greatly in value. Some of it, according to mint returns, was worth even as low as \$9 an ounce, and some was worth \$20 and more. This is on account of the fact that a greater or less amount of baser metals, silver, copper, etc., is always found in alloy with gold in its natural state Gold dust differs as much in appearance as it does in quality. Some of is yellow and bright, and some is dull in color, dark green and black. The bright yellow dust is not the best in quality, as might ordinarily be sup-Some of the purest gold ever nined has been almost black in color. There is also no uniformity in the form or the particles of gold dust. Some is fine and flour-like, some is coarse and smoothly worn, and some is rough and should be cut and saved, not only bescraggy. Dust taken from any one cause it will come handy next winter, in a mining district is always but for its effect in cutting down weeds remarkably uniform in value, color, and bushes. Since mowing and reapand form. This fact enables buyers, ing by machinery have become com-

Peculiarities in the form of gold taken from mining districts often gave a name to the locality. Chunk canyon, Slug gulch, and Specimen ravine are examples. A canyon in El Dorado county is called String canyon. This is said to be on account of the very singular form of the gold dust found in that region. Much of it resembles pieces of wire one and two inches in length, and some of it as fine as thread.

question asked by a buyer is:

it came from a region that has a reputa-

price for it. There is little use in mak-

as good means of knowing where the

dust came from as the seller. This

knowledge is of great value to the dust-

Observations of the form of their dust often led miners to make very valuable discoveries. All gold, as is well known, originally came from quartz. In its natural state in the quartz it is very irregular in form. Every rich ravine and canyon had a gold-bearing quarts vein, whose wearing away by the elements had loosened the precious metal, to be washed down by the water among the gravel and sand. When gold has been washed far from its source the attrition causes it to become fine and smooth. As the miner approaches the feeding quartz vein the gold becomes coarser and more scraggy, gives out entirely. Then it is certain that a rich quartz ledge is in the vicinity, and in this manner veins have been struck that have yielded many thousands of dollars in a few weeks.

Gold-dust buying in the mining towns was a very profitable business in the early days of California. called black sand, composed principally of iron, was always mingled to a greater or less decree with the dust when it was brought to the buyer. This had to be blown out, and often the finest particles of gold were blown out with it. Thus in an office where a large quantity of dust was bought much fine gold would be scattered around the room. The dustings of a buyer's counter and sweepings of his floor were often worth hundreds of dollars a month. Sometimes the buyers were suspected of cheating in a more illegitimate manner by alyly appropriating some of the gold while they were shaking it around and examining it in the blowpans.

Once a miner who believed a buyer had swindled him got even in a rather peculiar manner. He had a pair of brass stirrups weighing two pounds Every time he sold dust to this buyer he filed a portion of the stirrups among it till be had palmed off the whole of them for gold dust. The Chinese have always been the

most successful manufactures of counterfeit gold dust. Many a lot of brass or iron filings, plated with gold, has been sold by them to unsuspecting buyers. Of late years this has been less practiced, however, because of the fact that buyers almost invariably test the dust with acid, or burn it. By subjecting it to an intense heat the gold is not affected, but any other metal that may be mingled with it is soon dissipated in vapor. A buyer was once purchasing some dust from a company of Chinese miners. His balance scales were on an open counter before them. Suddenly noticed that one of the Chinamer had slyly touched the balance in which the dust was to be weighed. Quickly looking under the bottom of found some object sticking to it, which proved to be a small piece of a sticky substance, like beeswax. It weighed half an ounce. The wily Chinamer had intended, of course, after the dust was weighed, to remove the wax as deftly as they had put it on. Marks on the bottom of the balance revealed the fact that this trick had often been suc cessful. Thus this company, and perhaps others, had gained half an ounce on the buyer every time they sold him a lot of dust. This trick and others of a similar character afterward led almost all buyers to put their balance scales in glass cases, instead of having them open on the counter.

In the early days of California life specie was not plentiful enough for the needs of trade, and gold dust was used almost entirely as a medium of exchange. The inthers carried it in long buckskin purses. This compelled all kinds of business houses and shops to have scales with which to weigh the dust. What little coined money there was in circulation was eagerly bought up by the gamblers who, by piling it up in their banks, could make more of a display with it than they could with the gold dust.

To polish plate-glass and remove light scratches rub the surface gently, first with a clean pad of fine cottonwool and afterward with a similar pad covered over with cotton-velvet which has been charged with fine rouge. The surface will under this treatment, acquire a polish of great brilliancy,

The Yellow River, of China, formerly called the Hoang Ho, is aptly called China's Sorrow." It will not stay in the same place. Nine instances are on record of its having changed its whole direction. Slips of latitude and longitude are common with it. Engineers re now discussing plans to keep it withn bounds. It is more troublesome than dr own Mississippi.

## FARM NOTES

FEEDING CALVES .- The average boy of the farm has had plenty of disagree-able experience in the feeding of calves. Fed from a pail in the hands of a boy, the calf is never properly fed. To feed one calf and at the same time keep off several others as hungry and eager as only young animals can be, would be too much for a man to successfully cope with, except that he could strike and kick harder than the boy. Yet how large a proportion of the calves raised are fed in this way? Far more than in any other. It is not difficult, however, to make all this work comparatively easy, whether there be only three, or four, or twenty, or more calves, Have a proper feeding place and erect a line of stanchions similar to those for large cattle, but accomodate to the size of the caives. It may be necessary to make the calves enter these to be fed for two or three times. They will soon learn that only here can they get their food. Then, upon the proper call being given, they will eagerly take their Whatever the vesselsfed from, whether of metal or wood, pails or troughs, they must be fixed so they cannot be pushed, and they must be kept perfectly clean and fresh. When the calves begin to eat grass they should, within the next two weeks, be taught to eat a few cats daily, Thenceforward the milk ration may be diminished as the grass and grain is increased, but the decrease on the one hand and the increase on the other must be only as the naunch of the calf grows. The rennet or true digestive stomach of the calf is the larger of the four. In the fullsimal the paunch is the largest, and this increase in the one case corresponds to the relative decrease in the other as the animal attains age,

Mowing Around Fences .- The grass beside and in the corners of fences after some experience, to determine im- mon it is much more difficult to keep mediately from what locality dust is fences clean from weeds. Stones are ned, and what is its value. The first | thrown into fence corners to get them "Where out of the way of the mower and reapdid you mine this dust?" Of course, if er, and this makes good mowing by the scythe impossible. A stone is never tion for producing gold of a good quality the buyer can afford to pay a high temporary and slipshod manner by being thrown into the fence corner. As ing misrepresentation, when answering the difficulty of keeping fence corners this question, for the buyer has almost clean is made apparent farmers should clean is made apparent farmers should resolve to take the first leisure time to remove all obstructions from them. When they have done this removing buyer in the way of protecting himself against fraud in the way of counterfeit dust, etc.

when they have done this removing the fence itself will in many cases be naturally suggested as the next great improvement.

> Ture idea that the shade of weeds in hoed crops saves the soil from drying up is not so prevalent as it once was. It is sometimes urged even now, but only as a pretext for shirking, and should rank with the objections that Solomon puts in the mouth of the sluggard against doing necessary work, really based on his disinclination to do the work required. A weed uprooted serves as a mulch, but it is not advisable to let it get large enough for this use. It will do the soil more good to miry a weed as soon as large enough to be seen than to wait for a larger growth. In the soil the moisture it has drawn from it will again become available for growing

> MUCH time on every farm is spent in doing small jobs, and if proper conveniences for these are not furnished the time wasted is so much clear loss. A good farmer will try to have stock, under one roof. This enables him to do the work with the least needless labor. and gives more time for necessary improvements.

> PROF. E. W. STEWART says that sunflower-seed is a valuable food for stock if fed properly. The best way to feed to calves is to remove the hulls in a hulling-machine and then boil the meats to a jelly. It is, in this condition, a good addition to skimmed milk. Sunflowerseed contains 23.6 per cent. of oil, while flaxseed contains 37 per cent. The oil is a mild laxative, and will keep the coat glossy. Fifty bushels of seed could be raised from twenty-five thousand plants on an acre.

> For growing cucumbers, squashes or similar plants put old sawdust or rotten wood about them. Those who have never tried cucumbers on strong, bushy stakes like pea-sticks will be surprised to note how they enjoy it. To-matoes do better trained to stout stakes than any other way.

> Do not spread gas lime directly on your land. It is destructive to plant life unless modified by atmospheric influences. It should first be worked into compost with old turf, wood mold, marl or muck. A mass of green vege table matter, such as weeds, may used with it as compost, and it should not be spread until the whole heap has been reduced to a fine condition.

> MR. J. A. WATKINS, gives the following remedy for maggots on sheep. He says: "I have cured some very hard cases with kerosene oil. Saturate the sore and wool around it, applying with a syringe, in order to insert as deeply as possible. It will kill them instantly and drive off the flies. I also tried it with good effect on a sow that was troubled with flies,"

> Cows often chew corn cobs, not for their nutritive value, but for the mineral they contain, just as they will chew old bones. In such cases wood ashes or, better still, ashes from corncobs will be eaten as greedily assalt. Ashe for cows when on green feed corrects acidity of the stomach, and a few supplied occasionally will do good.

> Don't kill your hens that molt now, as they will make your early layers, and also be the most serviceable in win ter, as they will molt before the cold weather comes on. Hens that do not finish molting until late in the season seldom begin to lay until spring comes

THERE is one mode of saving bones which should not be overlooked. It is to keep a barrel of lye convenient, into which all the refuse bones should be dropped. The result is that phosphate of potash will be formed, which, unlike phosphate of line, is soluble in matter, making one of the most valuable fertilizers known.

HYBRID perpetual roses should be well pruned back, and old or weak shoots should be cut out entirely. The strong shoots should not be left longer than three or four buds or joints from the base.

Comet c, 1886, which was discovered by Mr. Brooks at Phelps, near Brook-lyn, on the 22d of last month, was a faint object when detected by him, and has since become steadily fainter. Its orbit has been calculated by Dr. S. Oppenheim, of Vienna, from European and American observations extending to the end of May, and it appears that it passed its perihelion on the 3d inst. at the distance from the sun of 1,48 in terms of the earth's mean distance. Its distance from the earth on the same scale is now 0.85, and this has been increasing ever since the time of dis-

## FAGETLE

McCoy, when he came to Scott County, went to work for a farmer named Hitt, who had a very charming daughter Emma. A young man whom Farmer Hitt had repeatedly driven from the place continued to come around, paying his addresses to the daughter until finally the father, despairing of keeping him away by any milder means, hired McCoy to thrash him every time he came near. Once or twice, or nery be more, the young man came, saw the girl, took his thras and departed. But one day there came the end of this sort of thing. McCoy, returning from town, where he had gone as driver and escort for the daughter, approached the father, saying:
"Well, Mr. Hitt, I've settled this

business of that young fellow's coming around here to see Em." "What do you mean?" asked the far-

"I mean that he won't come any more, an' you can bet on it," "Why, Mac, you haven't killed him,

have you?" asked the farmer fearfully, "No. Better than that," "What then?"

"I've married Em." The old farmer flew into a dreadful rage, but McCoy had the girl, and there was no getting her away from him, so Farmer Hitt, like a sensible man, made the most of it, and gave his son-in-law a piece of land, which he is now tilling, while "Em" minds the bables like a du tiful wife.

MISS BIRDIE MCGINNIS is one of the most confirmed flirts in Austin. She has been engaged to half a dozen men, and thus far has never married any of them.

Of late Tom Anjerry, a dissipated student of the university of Texas, has been paying Miss Birdie marked attention. A few evenings ago, being in a secluded place with her, he flopped down on his knees and remarked, in an agonized tone of voice: "Miss Birdie, I adore you."

"I can't believe you," replied Birdie; "you men are so fickle and unreliable. Your so-called love is a mere passing "Oh, no," said Tom; "my love for you is greater than that of your last

four fellows put together." SMALL PEOPLE IN POLITICS. -

Speaking of little Miss Brecktnridge, who thought her papa was regarded in Kentucky as a very smart speaker, re-minds me of a story I heard of the Ingalls children. "I tell you what, mamma," said the little son of Congressman-, "I don't like those little Ingalis children so

much as I did." "Why not, dear?" said the affectionate mother. "They talk so big lately, and they just look down on me because my papa

is nothing but a Congressman. say their papa can just be president of the United States if he wants to, and that he has just made the boss speech in the Senate and everybody says so.'

"My door madam " said widower Jones to the blushing, blooming widow W., who had recently buried her elderly better-half, "I always thought a young woman like you, left alone in the world, with no encumbrances, would seek the solace of another husband immediately; it is the usual way, you "I could not think of it immediately," replied the lovely vision in becoming black and white, "that would be too soon. I have made up my mind to wait the proper time and then-" "You need not wait another second," replied the ardent woer, "take me now, The cards are out.

TRAMP—"Sir, a single moment."
Genial Man—"Well, my good man?" Tramp-"I will be frank with you. I am tired of life and have determined to drink myself to death. I have exhausted my means and I implore you to furnish the funds to complete my de-

G. M. (after a careful survey)—"My good man. I regret to say that I have not \$10,000 to spare."

"DID you read the papers about seventy-five people in the West being poisoned by eating ice cream?" he asked his best girl.

"Oh, yes," she sweetly replied, "but that doesn't frighten me the least bit. They didn't eat enough of it. If they had, the poison wouldn't have hurt them. You know an overdose of polson never kills. That is why I'm not afraid of ice cream. I never stop at less than three plates."

A BOY wrote a composition on the subject of the Quakers, which he described as a sect who never quarrelled, never got into a fight, never clawed each other, and never jawed back. The production contained a postscript in these words: "Pa's a Quaker, but

BILL NYE is a kind, obliging man Some body wrote to him for his auto-graph and received in reply the following note from the humorist: "Dear sir, in the absence of my amanuensis will you kindly excuse me if I write my autograph myself? Yours, Bill

LITTLE MILLIE (at the dinner table, to her father, who had given her the smallest piece of pie on the plate: "Papa, why is my piece of pie like Eu-

Papa (thoughtfully): "Like Europe? Indeed, I don't know. Why is it?" Little Millie: "Because it's the smallest of the grand divisions,'

GUS DE SMITH.—"This, Miss Bir-die, is the Holy Family after Raphael." Miss Birdie—"I see the Holy Family, but where is Raphael?" Gus-"I expect he got away; they were after him, though."

RAW RECRUIT-"Who goes there?" Old Veteran—"Friend!"
R. R.—"Advance, friend, with the countersign!" O. V.—"Yorktown!" R. R.—"Thanks, old man, Fd for-

gotten it myself." Kosciusko Murphy-"I say, Gus, do you believe in horoscopes?" Gus DeSmith-"No; I believe it is all nonsense about horoscopes. Murphy-"Well I don't. I am satisfied that all the girls to whom I have been engaged were born under the in-

We can no more judge of the true value of a man by the impression which he makes on the public than we can tell whether the seal was gold or brass by which the stamp was made.

fluence of the crab, for they all go back

Ebony can be imitated on wood by first painting with a 1 per cent, solu-tion of sulphate of copper. When per-fectly dry the wood is painted over with a liquid consisting of equal weights of aniline hydro-chloride and spirits of wine, The blue vitriol acts on the aniline and forms nigrosin, a black which cannot be affected by acids or alkalies, A lustre can be added by coating with simple copal varnish.

Tuberculosis and typhoid fever are the redominant disea eath in the French army.

HOUSEHOLD

A PHYSICIAN's daughter thus writes "In the household column I read of so many woes in bread-making that it is a wonder why no one has yet suggested substituting other food for bread. of the best physicians now avoid 'sup pers' and have 6 P. M. dinners purpose-ly to avoid bread and cake. There is no excuse for bread at breakfast and dinner, while for 'supper' stewed potatoes, with poached eggs or cold meat, could form the principal part of the meal, adding soft custard, with fruit and delicate cake; bread is unnecessary. The children of our family have for breakfast hominy or oatmeal, with po-tatoes, fruit, delicate meats, with milk, and perhaps a cracker. For dinner, meat or chicken, asparagus, potatoes and other healthy vegetables and fruits, ith rice or other simple dessert; while at supper, potatoes, milk, eggs or cold chicken, cottage cheese, blanc mange. with a little simple cake."

PICKLED TOMATOES .- Take two dozen small ripe tomatoes, prick each one in two or three places, and carefully preserve the juice that flows from them; keep it in a covered vessel until wanted. Put the tomatoes in a deep earthern jar, and sprinkle a little salt between each layer. Place a cover on he jar and let it remain undisturbed for three days. On the fourth day remove the tomatoes from the brine, wash them thoroughly, and dry them very carefully. Put them into jars and add the inter that flowed from them at first. Boil as much vinegar as will entirely cover the tomatoes with half an ounce of pepper, half an ounce of cloves and a tablespoonful of mustard seed. The vinegar should be allowed to get cold, before being poured into the jars. If desired, some onions cut into very thin slices, or some celery finely minced, may be added to the tomatoes. The pickle will be ready to use in a fortnight. The jars must be tled down and stored in the usual way. ITALIAN CROQUETTES, - Pound in a

mortar 1 pounds of lean beef, add six ounces of bread crumbs, wetted and squeezed dry in a cloth, and three ounces of butter, mix well. Then take one-half ounce each of citron peel finely minced, of chocolate grated, of pine kernels, of sugar, and one ounce of Parmesan cheese grated; add pepper, salt, and the least bit of powdered cinnamon or nutmeg, and mix all these ingredients with the meat in the mortar, then gradually mix in three or more eggs, so as to form a compact Spread a little flour on the table, naste. put the paste on it and form it into palls the size of a Tangerine orange. Have a saucepan with plenty of lard boiling hot, and fry the balls in this a couple of minutes, then lay them all in a sauce pan, pour over them some wellflavored tomato sauce and let them simmer gently about half an hour.

How to CLARIFY SOUP .- Just before the soup boils the scum that has risen to the top during the process of heating should be carefully removed; a little cold water poured in will assist the particles that compose the scum to rise. After the soup has boiled it should be strained; this may be repeated, then if the soup is not as clear as you would like to have it, mix one egg and its broken shell with a teacupful of cold water, then to this add about a teacupful of the hot soup, then stir it all into the boiling soup; let it boil up well, then set the kettle upon the back part of the stove, and when somewhat cool strain

CARROT SOUP .- Boil some carrots drain them and pass them through a hair sieve; mix the pulp thus obtained with as much stock as will make it of the desired consistency; and pepper and salt, and a pluch of sugar. Having melted about an ounce of butter, mix it with a tablespoonful of flour, then gradually add the carrot puree; let it come to the boil, skun off superfluous fat, and serve with dice of bread fried in butter.

EMPRESS RICE.-Boil three tablespoonfuls of rice, picked and washed n a pint of milk, with sugar to taste, and a piece of vanilla: when quite done put it into a basin to get cold. Make a custard with a gill of milk and the yolks of four eggs; when cold mix it with the rice. Beat up to a froth a gill of cream, with some snoar and a ninch of isinglass dissolved in a little water; mix this very lightly with the rice and custard; fill a mould with the mixture and set it on ice. When moderately iced turn it out on a dish and serve.

FRESH MACKEREL.-Clean, wash wipe inside and out, pepper, salt and roll in Indian meal or "Wheat Germ Meal" and fry in hot lard or good dripping; drain and serve hot. If you wish sauce for them add to half a cup of boiling water the juice of a lemon, a quarter teaspoonful of mustard and a ablespoonful of butter rolled in one of browned flour, salt to liking; boil up once and serve in a gravy boat.

BEETS AND BUTTER SAUCE -Take two Bermuda beets of medium size. Wash and dry them without breaking the skin. Boil them for thirty-five minutes in fast boiling water, slightly salted, which must entirely cover them. Then scrape off the skin, cut the beets into slices, and the slices into strips, Melt an ounce of butter, add to it a little salt, pepper and teaspoonful of vinegar. Pour it over the beets and

A NICE TEA DISK .- Make a short, sweetened pie crust, roll thin, and partly bake in sheets; before It is quite done take from the oven, cut in squares of four inches or so, take up two diagonal corners and pinch together, which makes them basket-shaped, now fill with whipped cream or white of egg, or both, well sweetened and flavored, and return to the oven for a few minutes.

TOMATO SALAD, -Peel ripe tomatoes with a sharp knife, slice crosswise, lay n a salad bowl and season on the table with salt, a little sugar, pepper, oil and vinegar. Keep the tomatoes on ice until actually served. They cannot be too cold. Never loosen the skins by pouring boiling water on them, and refrain as scrupulously from serving them with the skins on.

MUFFINS IN TINS .- Take one cup of sour milk, one egg, a little shorten-ing, a teaspoonful of bicarbonate of soda, if the milk is not very sour less soda will do. Make a thick batter, and a little salt, and bake in a hot oven. If you cannot obtain sour milk, sweet milk and baking powder will answer. To a teacup of sweet milk allow a heaping teaspoonful of baking powder.

Late investigations indicate that the chlorophyl, or green coloring substance of the leaves, is most liable to pick up metallic matter absorbed by the roots of plants. When vines have been manured with the sulphate of copper most of the metal is deposited in the leaves, merely a trace appearing in the juice of the grapes. Tea-leaves contain much iron, doubtless due to the ochreous soil on which they best grow.

The Medical World has an account of a patient whose prematurely gray hair is returning to its original color under rized cod-liver oil.

"Next."

"Next!" yelled a Third street barber as he looked around the room for a new customer. At the call a long-haired and a Minneapolis dude came to their feet and advanced towards the chair. The dude was a little ahead and seated himself, when the cow puncher said he was in a hurry, and ordered the dude up; but he claimed he was in his turn d didn't come up.

'Look hyar, ye pin-legged gopher,' howled the Montano tough, 'ef yer dont vamoose outer that chair in less, than wo shakes of a steer's tail, I'll break ver up and use yer to plug rat holes

And the cowboy let off an athletic augh that made the barber turn chalky, but the dude didn't move. 'Did yer hear me murmur!' shouted he cattleman.

'Aw, yaas, I aw heard sawmthing,' replied the dude. Yaas, aw, wal, aw, I'll give yaw just

half a minute to git."
"Weally, my boy,' replied his dude-ship, 'you see I cawn't think of moving so rapidly. It isn't natural, you knaw; t is weally too warm for such exaw

'Aw, it is, aw, wal, I'll jest taker e contract to move yer, and the cow mar noved over in the direction of the halfreclining dude, and caught him by the collar. The barber said he thought a Dakota threshing machine had moved in and taken possession for the next five ninutes; the cowboy's boot went over and got mixed with a lot of cosmetics a seven-shooter from his belt got into tussel with a hair brush and a lot of razors, his hair was pounded down into the cracks of the floor, and the mirror was spattered with drops of his gore When the dude finished, the cowboy looked as though he had been holding an indignation meeting in a slaughter-house, and straughtening his nose and gathering up what was left of his rai-ment, he said he guessed he'd go over to another barber shop, there was too mnny ahead of him, and he was in coniderable of a hurry. The dude, pulling handful of the cowboy's hair out of his pocket and dropping it into the waste basket, said:

'That will put me in good trim for the ball game this afternoon.

The anthracite and bituminous fields of Santa Fe County, New Mexico, cover 15,000 acres, a large part of which is underlaid by four distinct veins of anthracite coal varying from 2 to 4 feet to the best Pennsylvania anthracite.

Cookies .- Beat two eggs in 2 cup add two tablespoons of melted butter two tablespoons sour milk; fill the cup with sugar, half teaspoon of soda, flour to roil; bake quick; best if kept in a stone jar.

Important.

When you visit or eave New York City, save haggage expressage and 13 carriage Hire, and stop afthe Grand Union Hotel, opposite Grand Control Depot.

600 elegant rooms, fitted up at a cost of one million dollars, \$11 and upwards per day. Europeas Plan. Elevator, Restaurant supplied with the best. Horse cars, stages and elevated railroad to all depots. Families can live better for less money at the Grand Union Hotel than at any other first-class hotel in the city.

The purest, sweetest and best Cod Liver

Humility is the pathway to the high-

est exaltation.

The pures, sweetes and sea to have the world, manufactured from fresh, healthy here upon the seashore. It is absolutely pure as sweet. Patients who have once taken it prefer to all others. Physicians have decided it superito any of the other oils in market. Made by Cawell, Hazard & Co., New York. CHAPPED HANDS, face, pimples and rough skin cured by using Juniper Tar Soap, made by Cas-well, Hazard & Co., New York.

It is better to die than to live with-

ANY man looks like a sloven with run Lyon's Heel Stiffners boots straight, 25c.

Grief counts the seconds; happiness forgets the hours. To thoroughly cure scrofula, it is necessary to

strike directly at the root of the evil. This is exactly what Hood's Sarsaparilla does, by acting upon the blood, thoroughly cleansing it of all imprities and leaving not even a taint of scrofula EARLY gardening lengthens the grow

may follow peas, and time is thereby gained for putting in late crops.

miss. Your pa says he's bound to have husbandry." The avaricious man is like the barren.

sandy soil of the desert, which sucks in together, make into little rolls or flat all the rain and dews with greediness, cakes and fry. They should be floured but yields no fruitful herbs or plants for the benefit of others.

What is taken from you before you possess it? Your photograph.

A Remarkable Cure of Scrofuli William S. Baker, of Lewis, Vego Coun ty, Ind., writes as follows: "My son was taken with Scrofula in the hip when only two years old. We tried several physicians. but the boy got no relief from their treatment. Noticing your SCOVILL'S SAR-SAPARILLA AND STILLINGIA, OR has thus been wrecked should address, BLOOD AND LIVER SYRUP, recom-mended so highly, I bought some of it of treatise giving means of perfect cure, World's Dispensary Medical Association, it till the sores finally healed up. He is now 21 years of age, and, being satisfied that your medicine did him so much good | honey. when he used it, we want to try again in another case, and write to you to get some

A French geologist, Mons, DeLap-parent, lately called the attention of the Paris Geological Society to the effect gravitation has in heaping up sea-waters about the land. The continents are thus all situated at the tops of hills of water, and in crossing the Atlantic St. Bernard Vegetable Pills. the ship has first to go down hill, then to cross a valley, and finally to climb another hill. The calculation has been made that in mid-ocean the surface may be more than half a mile (1000 metres) below the level it would have if the continents exerted no attraction.

The Dammer bee, of Burmah, makes a nest in hollow trees from resin collected in the forests.

He who seeks fame as an end, is unworthy to attain it. France Axle Grease The Framer Axle Grease is the best and, intrinsically, the cheapest. Don't work your horses to death by using poor axle

Perfect simplicity of character is th ource of the most profound wisdom.

When you have tried everything else in creation for that bald head of yours, you will probably tumble to the fact that Carboline is the only Hair pro-

ducer that will do the work properly and well. JONES No learning is valuable that does not beget higher aspirations and a nobler

FITS: All Fits stopped free. Treatise and Strial bottle of Dr. Kline's Great Nerve Restorer free to Fit cases. Send to Dr. Kline, 931 Arch St., Phila, Pa. The man who has made no mistake is not in condition to know when he has succeeded in anything. If a cough disturbs your sleep, take Piso's Cure for Consumption and rest well.

He who does not live to God, lives in

Advice to Consumptive On the appearance of the first symptoms-as general debility, loss of appetite, pallor, chilly sensations, followed by night-sweats chilly sensations, followed by high sensations, and cough—prompt measures for relief should be taken. Consumption is scroulous disease of the lungs;—therefore use the great anti-scrofula, or blood-purifier and strength-restorer,—Dr. Pierce's "Golden Medical Discovery." Superior to cod liver oil as a nutritive, and unsurpassed as a perioral. For weak lungs, spitting of pectoral. For weak lungs, spitting of blood, and kindred affections it has no equal. Sold by druggists the world over. For Dr. Pierce's treatise on consumption, send 10 cents in stamps to World's Dispen-sary Medical Association, 663 Main Street, Buffalo, N. V. Buffalo, N. Y.

The first printing done in America was in the city of Mexico. There were then 200 printing offices in Europe. The second press was set up in Lima, Peru, and the third in Cambridge, Mass., in 1639.

are immensely strengthened by the use Dr. R. V. Pierce's "Favorite Prescription which cures all female derangements, and gives tone to the system. Sold by drug-

A patent has been obtained by Prof.
A. K. Huntington for improvements in metallic alloys, the object of which is to secure strength, elasticity, and closeness of grain by the addition of a cheap and easily accessible material. For this purpose, to the copper or alloy he adds a small quantity of silicious iron which may contain a small proportion of other metals, such as manganese, tungsten, or the like, The mixture is made while the materials are in a molten state and as nearly as possible at the same temperature. As examples of alloys made according to the invention, to copper and tin in the usual proportion for gun-metal add not more than two per cent. silicious iron; to copper and zinc in the usual proportion for brass add not more than five per cent. silicious iron; in bronzes or brasses where tin is present besides copper and zinc, a less proportion of silicious iron is used than when there is no tin. Generally, when zinc forms part of the alloy, it is preferred to use silictous iron containing a proportion of manga-

It is customary to use ammonia for the purpose of neutralizing acids that have accidentally or otherwise destroyed the color of fabrics. This must be applied immediately or the color is usualin width. The coal is said to be equal ly imperfectly restored. After careful use an application of chloroform will bring out the colors as bright as ever. Plush goods and all articles dyed with aniline colors, faded from exposure to light, will look as bright as ever after sponging with chloroform. The commercial chloroform will answer the purpose very well, and is less expensive than the purified.

The investigations of the Prussian Firedamp Commission have shown that many mine explosions attributed to firedamp or outbursts of gas are really due to fine coal dust, all kinds of dust appearing to be capable of exploding violently when ignited. The experiments relative to the inflammability of coal dust were devised as nearly as possible in accordance with the conditions prevailing in practice, and more than 200 tests were made, explosions occuring in every case where an electric spark was produced in a dust cloud.

Anent low-ceiled rooms, or ceilings even with the window tops, it is urged that such rooms may be more perfectly ventilated than those with high ceilings. The leakage of air which is always going on keeps the air in II whereas in high-ceiled rooms only the lower part of the air is moved, and an inverted lake of foul air is left floating | dled a catarrh res in the space above the window tops. Moreover the heating of low-ceiled rooms is accomplished at much less ex- Ely's Cream Bal pense than the heating of high-ceiled rooms.

isfaction. - C. 3 A new company has been formed for Crittenton, 115 Ful the extension of submarine cables of telegraphic communication on the west coast of Africa and by means of existing cables with Europe. The length of ing season, and permits, at times, of the cables which will require to be laid two crops on the same land, as turnips is 3600 nautical miles, for the most part in water of moderate depth. The cost will be \$2,500,000.

"Are you going to make a flower-bed here?" said the Brooklyn girl to her father's gardener. "Yes, miss, them's the orders." "Why, it'll spoil and ham, I pound of veal, and I pound our tennis grounds!" "Can't help it, of beef suet; all these should be well minced, then add 11 pound of bread, this plot laid out for herticulture, not | crumbled through a wire sieve, the rind of half a lemon well chopped, a little salt, nutmeg and pepper, a few sage leaves chopped very fine; mix all well before cooking.

> Many words do not satisfy the soul, but a good life comforteth the mind. and a pure conscience giveth great condence toward God.

Startling Weakness. general and nervous debility, impaired memory, lack of self-confidence, premature loss of manly vigor and powers, are com-mon results of excessive indulgence or youthful indiscretions and pernicious soli-663 Main Street Buffalo N. Y.

Sarcasm is a bee with a sting and If you feel as though water was gathering

around the heart (heart-dropsy) or have heart rheumatism, palpitation of the heart with suffocaon, sympathetic heart trouble-Dr. Kilmer's OCEAN-WEED regulates, corrects and cures. Kindness is greater than good man-

WARRANTED PURELY VEGETABLE. The best cure for Liver and Billion



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PAYS the FREIGHT

BEST IN THE WORLD GREASE

The production of electricity to seach one ton of calico is calculated by Watson, at the lowest possible rate, at 7s 8d, but would probably cost double that, while the bleaching with twentyfive pounds of bleaching powder required for that purpose, at the price of £6 10s per ton, would cost only 1s. 514 per ton of calico. Besides, the piatina electrodes for a daily turnout of ten tons bleached goods would cost over £12,000, at the price of 25s per ounce

of platma. It is announced that the Commendatore Lanciani is coming to lecture at various leading American colleges next winter. He is one of the most distinguished archæologists in Rome and member of the Lincot, a royal scientifsociety of Italy thirty-three years older than the French Academy.

Science occasionally illuminates the dark spots of our ignorance with such effulgence as to completely overpower one. A case in point is the announcement that Southern dentists have dist covered that the peculiar whiteness of the negro's teeth is due to the excess of white blood corpuscles.

The great horse-car company of Berlin pays the municipality 6 per cent. of its gross earnings. The income which thus accrued to the city in 1885 was \$138,720.

Hall's Hair Renewer always gives satisfaction, and is indersed by our best physi-

As a stimulant to the stomach, liver, and nowels, the safest remedy is Ayer's Pills.

Cold baths are dangerous to the old or feeble. Warm baths are relaxing, and should not be taken in the morning. The morning is the best time for a cold bath, the evening for a warm



Combining IRON with PURE VEGETABLE TONICS, quickly and completely CLEANSES and ENRICHES THE BLOOD. Quickens the action of the Liver and Kidneys complexion, makes the skin smooth. It does not injure the teeth, cause headache, or produce con-stipation—ALL OTHER IRON MEDICINES DO. Physicians and Druggists everywhe

Mrss Emma Hartman, Allentown, Pa., says:

"My blood was very thin and watery, and I became
weak and languid. After using four bottles of
Brown's Iron Bitters I am entirely restored to
health and strength, and cheerfully recommend it.
Mrs. W. Salz. 315 S. Pine St. Richmond, Va.,
says: "My little boy was suffering from a very
serious attack of blood poissoning and the dector
from benefiting him in the least, I tried Brown's
from Bitters. Two bottles enred him, although
his blood was in a terrible state. It is certainly a
great tonic and purifier and I heartly recommend it.
DANKE, McChenskit, John N. Green St., Trouton, DANIEL McCHESKET, 38 N Green St., Trouter N. J. says: "I used Brown's Iron Bitters for the blood with the best results. I cannot recommend:

Genuine has above Trade Mark and crossed red lines on wrapper. Take no other. Made only by BROWN CHEMICAL CO., BALTIMORE, MD.



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