

Argon has been found to be composed of five other gases, so that the atmosphere is now known to contain seventy-five elements.

The tempering of steel is a color process. The steel is first heated to a bright red shade, then for brittleness is plunged into water. When heated a second time it passes through gradual changes of color of gray, steel-blue and straw. On reaching just the right tint for the use intended the steel is again plunged into cold water.

The advantage of a photographic fashlight that can be timed is claimed for a new cartridge made at Offenbach, Germany, and consisting of a celluloid capsule, filled with combustthie powder and provided with a fuse. The finsh varies with the size of the cartridge. Analysis shows that the powder, which barns quietly and with litthe smoke, contains 12 per cent, of aluminum, 15.5 of magnesium, 1% of red phosphorous, and 73 of stroutium

One result of the competition of the two-penny tube and other electric rallways has been a new form of 'bus, which is the foreranter of an improved stage carriage to be generally adopted. it is much more roomy and bigher, the seats are arranged in corridor fashion, with a gangwity down the centre. so that passengers are now able to make a journey without having their knees interlocked with those opposite. and can at the same time ser where they are while travels, g.

A new method of charging for telephone service is based on the time unit instead of the number of calls. The scheme provides for an automatic clock and register, which is operated by the removal of the telephone receiver from the book. The replacing clock, so that there is a continuous | do."-Philadelphia Record. record. A dial is provided for indicating the length of time the telephone has been in use. Obviously the occusionally shoud not be charged the same as one whose 'phone is in Con-

There is a widespread notion that penrly all forms of bacteria are quickly killed by heat, but the fact is that in most cases a long exposure is necessary. Experiments recently reported at the Aberdeen Congress on Public Health show that non-virulent tubercle bacilli, produced by culture in a laboratory, resisted a temperature of 140 degrees Fahrenbelt for ten minutes The bacteria in tubercular sputum were not killed until they had been exposed to 149 degrees for fifteen minutes, and then in only five cases out of six. Tuberculous milk, heated to 149 degrees, lost his power of infection only after the hipse of twenty min-

The heating of ironing machines by electricity in place of steam, gas and l gasoline, as heretofore, is now being used in a laundry in Kausas City, Mo. Its advantages can be made apparent to all by the simple statement that the little machine has a capacity of 72,000 cuffs and collars in twenty-four hours. The machine is driven by an electric motor attached near the base. The heating of the ironing roll is accom- | negative." - Philadelphia Press. plished by stationary heating coils a finely subdivided switchboard. It is from his work -Baltimore American. asserted that the character of the heat renders it more desirable for starched goods than steam or gas.

He Had Had Too Many.

A good story is told of Jim Younger when he was in Duluth recently. It is well known that he is very much averse to notorlety, and always registers under a fict tious name in order to avoid it. He stepped up to the office of one of the Duluth hotels, and, after putting down something like "Peter Jones, Pearl Lake," he asked to be assigned a room. After ascertaining about how much the guest wished to pay, the clerk said that the most desirable room left was a court room. "Court room, hey? Well, I guess I

out of the room. "Now, I wonder what he meant by eat much candy."-Philadelphia Press. saying 'court room' in such a funny way?"-and the hotel clerk, unconscious of the identity of his guest and his entirely natural aversion for court rooms, straightway forgot the incident. Duluth News-Tribune.

Germany's War Treasure. The town of Spandan, a peaceful little country place near Berlin, with bonses dirty with age and old-fashtoned cobble stone street, is where Germany's war treasure is kept and where are stationed no inconsiderable number of troops. In the centre of the outlying part of the town rises the celebrated Julius tower that in former years has withstood many an attack from without; its walls are six feet thick; the entrance is guarded by three ponderous iron doors, and provided with no less than six locks. This stronghold contains treasure amounting to no less than \$30,000,000 in good coin of the German empire, laid out in numerous chests, each containing 100,000 mark pieces wrapped in thick linen bags. An officer goes the round inside every day and from time to time every chest and every bag is minutely examined and weighed.

PA'S AWFUL IGNORANCE.

Most every day when I'm at school
The teacher tells us things
About the hirds and animals
And presidents and kings,
And then, at night, when I ask pa
If what she says is so, He reads his paper right along And says. "Oh, I dunno!"

One day she told us that the world Is round, just like a ball.

And that there's nothing down below It's standin' on at all.

I ask pa if she told the truth.

He read his paper, though.

And put his foot up on a chair,

And said: "Oh, I dunno!"

And once the teacher said the say Ain't heaven's floor, and tried To make us think no angels walk Along the other side, And so that night I ast my pa, And all he said was: "Oh, Don't bother me about such things. I'm busy-I dunno!"

One time a higger boy he said. The doctor didn't bring. My little haby sister in A box—no such thing!
That night I ast my pa it what
That hig boy said was so,
And pa he answered "Ob, keep a
Confound it, I dunno!"

I need to kind of think somehow That my pa knew a lot-nt that was erong, or if he did I guess that he's forgot, noe I've got started into school Most every day or so I hear about a hundred things

Pa doesn't seem to know.



"Pa, what are prejudices?" people's opinions, my sou."-Puck. "Are your sure he loves her?" "Sure? Why, man alive, he lets her bent him at golf."-Judge.

We greet the man who finds no lault, With praise, and all the rest of it. But the kinter whom we need exsit Still, somehow, gets the best Washington Star. Muggins-"Your wife seems very in

dustrious." Ruggius-"Yes; she's alof the receiver is utilized to wind the ways finding something for me to Lord Foranheir-'I can trace my de

scent from John Milton. How's that for a descent?" Miss Millyuns-"It's a subscriber who only uses his 'phone great descent, sure enough." - Tit Bits. Mrs. Whyse - She learned to speak French in six weeks." Mr. Whyte-"I wonder how long it will take the folks over in France to learn to under stand her." -Somerville Journal.

"Even egotism has its good points." says the Mayayunk Philosopher. "The people who are niways talking about themselves never find time to talk about us."-i'hiladelphia Record.

There was a young lady named Alice. She lived down in Texas, near Dalice. She married an earl, Did this clover young gear.

And now she is boss of his paint -Baltimore American. course; but how many times did you be tightly closed.

see them?"-Tit-Dits. "I wonder why the baby cries so much," said the young mother. "That's easy," answered the bachelot uncle, if the weather be extremely severe "Why is it?" demanded the mother. "Because it is a baby," replied the uncle.-Chicago Post.

Tess-"I heard him say he felt rather It should be warmed in the oven. cucomaged because you left the gas turned low in the parior when he filled, as the hens will suffer during called." Jess-"How foolish of him! the winter otherwise, - Home and One needs a dark room to develop a | Parm.

"And what are you making?" we placed within them. Electric beating asked of the Intelligent Artisan, as we has the advantage of being more uni- admired the play of his brawny mus- two by eight inch boards, each ten form than any other, it is very intense | cles. "Makin' cow-catchers for milk | feet long. These are rounded at the and can be regulated to a nicety by | trains," he replied, without looking up | ends like sied runners. Five two by

"What a sopr individual! What's he growling about, anyway?" "O! he complains that he hasn't got what he deserved in this world." "I should think he'd have cause to rejoice on that account."-Philadelphia I'ress.

Smith-"Say, we've got a new cook at our boarding house." Jones-"Any better than the old one?" Smith-"Well, I guess yes. Why, she can actually cook prunes so you can't tell them from dried peaches."-Chicago News.

Mamma-"Since Susie invited you in to share her birthday cake last Saturday, you may ask her in to-morrow, and I'll make you a cake." Elsie-"Ob, won't you make some candy instead?" don't want it," and Younger strode | Mamma-"Would you rather have can dv?" Eisie-"Yes'm. Susie never can

Down on the Wenham golf course a across a valley to the top of a bill Thinking to have a little practice The ball sailed gracefully over the bill. and to his inexpressible surprise the player heard it go "kerchunk" into the hole on the green. He had struck a ball seventy-five yards and handed it in the hole. Probably few players ever day such a thing, and this player says he does not expect ever to do it again. if he plays golf for a quarter of a century. It was "the luck of a greenhorn."-Boston Herald.

Holding Out High Hopes. If King Edward's coronation is anything like its prospectus it will at least add to the gayety of wallons.-Phila

delphia Ledger.

## TARM MOPIOS

Age at Which to Sell Hogs.

A Western hog raiser finds that the proper time to sell hogs is when they are from seven to nine months old. At this age, if properly managed, they ought to weigh from 250 to 300 pounds, and at the prices live hogs are selling at now you can easily figure out what they will bring you in and what the profit should be. When hogs are sold at this age they are not on the farmer's hands very long, and this, besides turning the money over quickly, lessens any danger of losing any by discuse.

Milk Absorbs Odors

You cannot feed mouldy bay, bad silage, musty corn fodder that has been put into the mow when it was not in shape to go there, and get good milk. The use of any such materials will get you into trouble, and will of itself prevent you from making high grade milk. No feed that has an odor should be permitted to remain about the stables. You may set a vessel filled with milk in a sile for an hour; then, if you take it out and heat it, you can tell by the nose it has been in the sile. At the Vermont station we could heat the milk up to 110 degrees and by the smell tell whether it had been near a hog pen or not .- H. B. Gurler, before the Illinois Dairymen's Conven-

The Moisture Supply For the Potato. There is no farm crop that is more easily, speedily and greatly affected by the supply of moisture than is the potato. It has been found by experiment that it takes about 425 tops water to grow a ton of dry matter of potatoes. A crop of 200 bushels per acre would therefore require approximately of nearly six inches. Because of its need for large water supply and its remarkable sesceptibility to elimatic conditions, it follows that the average potato yield is affected more by water supply than by lack of plant food. The selection of soil and methods of view if success is to be had. The liberal application of fertilizers or the presence of large amounts of readily available plant food will prove of but Hitle value if the moisture supply is deficient. It is also true that too much water will check the growth as quickty and effectually as too little.

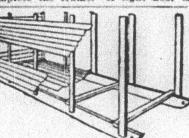
Sudden changes of weather or cold rains are apt to cause the fowls to catch colds-and this very often develops into roup. Watch for any change, and should one be likely to occur, keep the chickens closely housed | lation of the globe about \$1,000 die every during the night.

The temperature of a poultry house fifty, and there should be but little va-Insurance Agent-"Pardon me, tiation during the nights. The doors madam, but what is your age?" Miss and windows of the house should be Antiquate-T have seen twenty-two opened during a portion of the day, summers." Insurance Agent-"Yes, of but when night comes everyone should

In the morning the fewls should be fed in the scratching shed, and not al lowed to go out until they have worked through the sizaw for fully two hours. the laying hens should be given a full feed of whole corn just before roust ing time, and when possible to do so Don't neglect to keep the grit box

Chapp Fodder Rack.

The basis for this fodder rack is two fours, each five feet four inches long, are bolted to these boards as shown in I the illustration, every four feet. There are several two by four, each four or five feet long, spiked to the bridge boards in an upright position. These complete the frame. A tight floor is



AN EASILY MADE PODDER BACK.

placed on the crosspiece and boards are nailed to the sides and ends up to a beight of eighteen inches. A space of sixteen inches is then left without covering. The sides and ends can be few weeks ago a new member was boarded up the remainder of the displaying around the links for the first | tance. These upper boards can be time. It was really his first serious placed together or space can be left effort to play golf. He made a pretty | between them as seems best. Hay, good strike-off from an elevated tee straw or fodder thrown into this rack cannot be trampled and lost because about seventy-five yards beyond, of the tight bottom and sides up to a height of eighteen inches. There is across the valley he struck his well no loss of food. Grain feed can be back toward the green beside the lee put into this rack if desirable. The whence he had previously struck off, rack can be transferred from one part of the field to the other simply by hitching a team of borses to it. This Is very cheap and entirely satisfactory in our experience.-W. B. McLean, in American Agriculturist.

A New Measuring Device. Ribbons and fabrics can be easily measured by a new device consisting of a graduated strip of paper, which is rolled in the fabric before it leaves the factory, being unwound and torn off as the cloth is sold.

When a woman gives a man a piece of her mind he sighs for the peace that passeth understanding.

Old Joe, the Right Watchman

(From the Pall Mail Gazette, London.) How often on returning home late on . dreary winter's night has our sympathy gone out to the poor old night watchman as he sat huddled up over his cage fire, make so frequently in our congested man is obliged to keep watch over the companies' property, and to see that the red lights are kept burning. What a life, to be sure; what privations and hardships; they have aches and pains, which nothing but St. Jacobe Oil can alleviate

beth Water Works, and is well and favourman for many years, in the course of which he has undergone many experiences. What with wet and cold, he contracted rhenmatism and scintics, which fairly doubled him up, and it begun to look a serious matter for old Joe whether he would much longer be able to perform his duties, on which his good wife and himself depended for a livelihood, but as it happened a power-by, who had for some nights noticed Old Joe's painful condition. followed the advice given; he crawled home the next morning and bade his wife rub his sching back with the St. Jacobs Oil "a gontleman gave him," and undoubtedly his wife did rub, for when Old Joe went on duty at night he met his friend and benefactor, to whom he remarked: "Them oils you gave me, Guv'nor, did give me a doing; they was like pins and needles for a time, but look at me now," and Old Joe began to run and jump about like a young colt. All pain, stiffness and soreness had gone; he had been telling everybody he met what St. Jacobs Oil had done for him. Old Joe save now he has but one ambition in hile, and that is to always to be able to keep a bottle of 650 tons water; equivalent to a rainfall | St. Jacobs Oil by him, for he says there is noth: g like it in the world.

St. Jacobs Oil serves the rich and the poor, high and low, the same way. It has conquered pain for fifty years, and it will do the same to the end of time. It has no equal, consequently no competitor; it has many cheap imitations, but simple faits culture must be with these facts in like the above tell an honest tale with which nothing on earth can compete

Denmark leads the world in per capita nterest in agriculture. Each inhabitant has on an average a capital of \$385 invest-

Brooklyn, N.Y., Jan. 20th. Formany years Garneld Tea. The Herb Cure, has been earning a reputation that largre-it is universally praised? This remedy presents unusual attractions to those in search of health; it is made of herie that cure in Nature's way—by removing the cause of disease; it is pure; it aleanses the system, purifies the blood and establishes a perfect action of the digestive organs; it is equally good for young and old.

It is estimated that of the whole popu-

Many School Children Are Sickly, used by Mother Gray, a nurse in Children's Home, New York, break up Colds in 24 hours, ourse Feverishness, Headache, Stemach Troubles, Teething Disorders and Destroy Worms, At all druggists', 25c, Famule mailed free, Address Allen S. Olmsteil, Le Roy, N.Y.

The practice of punishing pupils by deducting credits for scholarship has been forbidden in the San Francisco schools.

FITSpermanently oured. No fits or nervousness after first day's use of Dr. Kline's Great Dr. R. H. KLINE, Ltd., 931Aroh St. Phila., Pa. Sir Thomas Lipton eags there are "no girls like American girls."

WHEN RUSSIANS EAT.

No Fixed Meal Time-Many Peculiar ities at Table.

The Russian has no fixed meal time He eats when he is hungry, which is everlooking the excavations which our often. He has about six square City Council in their wisdom, or otherwise, meals a day. He has at least a doz. allow the different water companies to en lunches, a little bit of sait fish or some caviare, or a piece of bread streets. In all weathers, and under all cli- and cheese, washed down with a nip matic conditions, the poor old night watch. Of flery vodki. He never passes a station without a glass of ten-marvelous tea, with a thin silce of lemon floating in it. You get a fondness for Russian tea, and forswear bemilked decoctions forever. The table manners of the Russian-such as you see in botels and buffets—are not pleas-"Old Joe" is in the employ of the Laming. He sprawls with outstretched elbow on the table, and gets his bly known. He has been a night watch | mouth down to his food rather than raise the food to his mouth. makes objectionable neises in his throat. He has a finger bowl, and rinses his mouth as the rest of us do when cleaning our tieth in our bathrooms. Then he squarts the water back into the bowl.

Thackeray's House,

The house which Thackeray built for himself in Kensington has recentpresented him with a bottle of St. Jacobs ly been sold by the son of the auc-Oil, and told him to use it. Old Joe thoneer who sold it for the first time 37 years years ago. When the great novelist decided to build, many people thought he was putting too great a strain on his pen, but events have shown that the speculation was a sound one for last week this house went for \$75,000. It is a red brick mansion, servened from the road, and the lease has 41 years to run.

No large comet has appeared within our nvironment since that of 1862.

Piso's Cure is the best medicine we come for all affections of threat and lungs.... O. Essetzer, Vanburen, Ind., Feb. 39, 10 The hide of the hippopotan parts is fully two inches thick

"I have used Aver's Hair Vicer for thirty years. It is elegant for a hair dressing and for keeping the hair from splitting at the ends."— J. A. Gruenenfelder, Grantfork, PL

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