Since the recent capture of the robbers and pirates who infested the northwest of the Sahara, and the arrest of the assassins of El-Arbi Mamelouck, the late Cadi or Judge of Souf, as well as the occupation of Rhat to the south of Rhadames, by the Tripolitans, and the consequent pacification of the country of Tonareggs, this part of the great desert has enjoyed security from rob-bers. Danger from wild beasts is not seriously entertained by such a party of travelers, but what they have most to fear is the intense heat. At Biskra the thermometer already marked eighty six degrees in the shade; the heat increasing between Biskra Ain el Quadra and Rhadames to one hundred and four degrees, and rising in proportion as one goes south. Then there are the sudden changes of temperature at night. While at Biskra the night temperature is proportionate to that during the daytime, it is notorious that more to the south the thermometer very frequently falls below zero at sunset. Apart from these excessive changes of tempearture the climate of the desert is considered perfectly healthy.

How Animals Live in Winter.

the muskrats abound are fir t frozen over, and the ice is thin and clear, on striking into their houses with his

the Japanese, based upon a more popular historical work than that previously translated by Titsingh and Klaproth.

The mythological system is a little confusing. The names of the gods are as fusing. The names of the gods are as fusing as though they had been invented. long as though they had been invented by a modern chemist. Naturally things A wonder is Class-maring.

I wonder is Class-mar commence in chaos, but soon three unbegotten deities emerge to view. From these descend eight coupled deities, the

three to three and a half months' durathree to three and a half months' dira-tion, and by the end of this time it is ready to be cut for the steeping process that is necessary for the extraction of the fibre, which is described as of great length, silky and fine, and of uniform

ture and properties of this plant with much care declares that superior tow and hemp, as well as cordage of great compactness and density may be manu-tactured from it. He describes a sample hank, purchased in the bazsars of India, and prepared in the ordinary rude manner, but recleaned so as to de-tach portions of the still adhering bark that it was not at first thought worth while to remove—the hank being of good color, from seven to nine feet long, fine to the touch, and having a remarkably silky gloss, considering the small amount of care bestowed on its first presention. amount of care bestowed on its first preparation; in fact, had greater attention been paid to it, and a proper mode pursued in extracting the fibre from the bark and drying it, it is believed that the best of this fibre could be used extensively for first-class Dundee manufactures and for superior rope and cordage, such as would equal in appearance that made from Manilla hemp, so much in recount for vachting purposes.

ger. The former apparatus is possessed by manuals, brits, &c. is possessed by manuals, and the p

In Southey's History of Brazil, he tells striking into their houses with his hatcher, for the purpose of setting his traps, he frequently sees a whole family plunge into the water and swim away under the ice. Following one for seeme distance, he sees him come up to renew his breath in the manner above described.

"After the animal has breathed through the ice and before he has time to take it in again, the hunter strikes with his hatchet directly over him, and drives away his breath. In this case he drowns in swimming a few rods; and the hunter, cutting a hole in the ice, takes him out. Mink, otter and beaver travel under the ice in the same way; The fourth morning after they had changed the ship's course, the cricket, in the same way; how Cabeza de Vaca was in a great ship

changed the ship's course, the cricket, who knew what she was about, set up her shrillest note. The soldier at once gave warning to the officers in charge of the wessel, and they soon saw high, jagged rock-just ahead of them. The watch had been careless, and the great ship in a few moments would have been dashed to pieces on the ledges if this puny creature had not scented the land and the Japanese, based upon a more poputate Japanese, based upon a more poputate of the versel and told them of their danger. Then they cruised along for some days, and the Japanese, based upon a more poputate of the manner of the watch had been careless, and the great ship in a few moments would have been dashed to pieces on the ledges if this puny creature had not scented the land and told them of their danger. Then they cruised along for some days, and they cruised along the cruised of every kind should be kept to conged. Salt, cayenne or blackpeppe changed the ship's course, the cricket, who knew what she was about, set up

An enormous glass cylindrical shade

HINVID LIGHTING.

Anxiers. Inch year the will settle store... with the will settle store... with the store the store of the store of the store of the store... The store of the store of the store of the store of the store... The store of th

LENGTH OF ROOTS .- According to the cellent authority of the Country Gentle-an, Prof. Beale, of the Michigan Agman, Prof. Beale, of the Michigan Agricultural College, furnishes the following interesting facts, mostly the result of his own examinations, in relation to the length of roots in plants and trees:

The soil has to do with the length and number of roots. In light, poor soil, I find roots of June grass four feet below the surface. People are apt to underestimate the length, amount and importance of the roots of the finer grasses, wheat, oats, etc. Some roots of clover and Indian corn are large enough to be seen by every one on slight examination. A young wheat plant when pulled up, only shows a small part of its roots. They go down often four to six feet. It needs very careful examination to show that clover and Indian corn have any more weight of roots than June grass. They

probably do not contain more.

The roots grow best where the best food is to be found. They grow in greater or less quantity in every direc-tion. If one finds good food, it flourishes and sends out numerous branches. Many of the smaller roots of trees die Our readers know that there are two kinds of respiratory apparatus—lungs, which inhale air, abstract oxygen from it, and give in return chiefly carbonic acid; and gills, which absorb the oxygen di-solved in water, and also give off hiefly carbonic acid, which is more readily dissolved in water than the oxygen. The former apparatus is possessed by mammals, birds, &c.; the latter by

quire a good deal of carbon. But in summer it is best to feed it to them in substance which contains less carbon, on account of their producing less heat. Mustard is one of the best things for this purpose, and some of it should be sown in every pasture into which hogs are turned. If hogs are kept in, or are in small yards, it is well to supply them with the wild mustard that growin the fields or highways, or to cultivate some of the better varieties for them. They will eat its leaves, its flowers, seeds and stalks.—Home Journal.

Fowl Hints.—The nature of fowls requires their feed to be comparatively dry. Grain and cracked corn, when not fed dry, should be scalded till swollen, and then dried. Brain and mixed feed of every kind should be kept to crumble, not to congeal. Salt, cayenne or blackpepper, meat of any kind, fresh.

The Elasticity of Purified Air.—Some

bones, shells, and crockery are excellent for hardening the shells. Sand ashes, and common earth are each good for fowls to roll in, and sulphur sprinkled where they roll and roost serves to keep away vermin. Pure water and air, sunlight and cleanliness are always in the shell as and diminishes when the pressure increases, and diminishes when the pressure diminishes. These discordances are far larger than the possible errors of observation.

shaft ongage by gears with the gear wheels in gear and out of the car is to be stopped, the apparatus is so regulated that the gear and out of gear.

Now, when the car is to be stopped, the apparatus is so regulated that the forward movement or momentum of the ear may wind up a spring: Wheel on the contrary, the car is to be started, the power of the spring may be applied to the wheel near its rim, and thus, with a great advantage of lever age, assist in starting the casily understood, the spring may be accompanied to the spring may be ame way, as will be easily understood, the oping may be and thus, with a great advantage of the car when upon a short unward to the car of scarlet fever may be prepared for. In most cases, adds the Lancet, sickness occurs within twenty-four hours after the commencement of the attack, and in a large proportion of the cases it occurs within twelve or eighteen hours. The Lancet addresses itself to medical the purpose intended, while some of them are even utterly impracticable. Some modern industrial establishments in Germany, especially the Metallurgical Museum of Nuremberg, have undertaken the task of submitting the processes proposed by the books, to practical testa, in order to abolish manners of them, which, like a chronic disease, are carried from generation to generation, by being copied in good faith in the haudbooks and encyclopedias; and it is expected that only very few of them will stand this severe ordina; and it is expected that only very few of them will stand this severe ordina; and it is expected that only very few of them will stand this severe ordina; and it is expected that only very few of them will stand this severe ordina; and it is expected that only very few of them will stand this severe ordinate.

On scarlet fever may be prepared for, sickness occurs within twenty-four hours after the commencement of the attack, and in a large proportion of the cases it occurs within twenty-four hours after the commencement of the attack, and in a large proportion of the cases it occurs within twenty-four hours. The Lancet attack, and in a large proportion of the cases it occurs within twenty-four hours after the commencement of the cases it occurs within twenty-four hours. The Lancet attack, and in a large proportion of the cases it occurs within twenty-four hours. The Lancet attack, and in a large proportion of the cases it occurs within twenty-four hours. The Lancet attack, and in a large proportion of the cases it occurs within twenty-four hours. The Lancet attack, and in a large proportion of the cases it occurs within twenty-four hours. The Lancet attack, and in a large proportion of the cases it occurs within twenty-four hours. The deal.

Rudolph Wagner, editor of the "Annual Chemical Technological Report"

(Jahrbuch des Chemicals Technological Report"

(Jahrbuch des Chemicals Technological Report" of such or a similar safeguard schools in crowded districts may play no small part in assisting the prepidemics of the future.

> How to LIGHT A COAL FIRE.-After thoroughly sifting out the ashes, leave the cinders in the grate and put upon them some shavings or waste paper, and a few dry sticks of kindling laid loosely the cinders in the grate and put upon them some shaving sor waste paper, and a few precess of smiling laid loosely across each other, then put on some large cinders and a few precess of smiling laid loosely are burning well, put on some large cinders and a few precess of smiling laid loosely are burning well, put on some large cinders and when the sticks are burning well, put on some large inders and will have a good fire; and not throw on the coal with the shavel or scuttle. It packs it too closely. All the smaller cinders and unburnt coal can be pisced on the top, and in a fittle time you will have a good fire; and one suitable to cook a steak or and the ost-meal porridge. A fire cannot burn without a supply of air, and, if the coal and cinders are too closely packed, they can neither light quickly nor burn rapidly; and a steady, constant fire can be kept up with less coal than one that is constantly stirred up, if you desire a clear fire for the grid-tron, put a few cinders on top, and, when they have ignited, sprinklo a little time you seem to colosely packed, they can neither light quickly nor burn rapidly; and a steady, constant fire can be kept up with less coal than one that is constantly stirred up, if you desire a clear fire for the grid-tron, put a few cinders on top, and, when they have ignited, sprinklo a little time you for the coal and the constantly stirred up. If you desire a clear fire for the grid-tron, put a few cinders on top, and, when they have ignited, sprinklo a little time you desire a clear fire for the grid-tron, put a few cinders on top, and, when they have ignited, sprinklo a little time you desire a clear fire for the grid-tron, put a few cinders on top, and, when they have lightly since the coal and the constantly stirred up. If you desire a clear fire for the grid-tron, put a few cinders on top, and, when they have lightly stirred up. If you desire a clear fire for the grid-tron, put a few cinders on top, and the world?" The Emperor hated the coalest tyle home-made coke, and the throws away a thing of value.

CREAN MUPPINS .- One quart of rich CRAN MUPPINS.—One quart of rich milk, or if you can get it, half cream and half milk; one quart of flour, six eggs, one tablespoontul of butter, one of lard, softened together. Beat whites and yolks, separately, very light; then said flour and shortening and a scant tesspoonful of sait, and stir in the flour the last thing, as nghily as possible, and have the batter free from lumps. Half fill your well buttered muffin rings, and fill your well buttered muffin rings, and bake immediately in a hot oven, or your muffins will not be good. Send to the table the moment they are done.

spoonful of alum in a quart of water; when cold, stir in as much flour as will being particular to beat up all the lumps; stir in as much powdered rosin as will lay on a dime, and add also six cloves, a teacupful of boiling water on the fire, pour the flour mixture into it, signing wall all the time. It will some stirring well all the time. It will soon be like mush. Let it cool, and keep it soften with warm water. It will keep twelve mouths.

GATHER a few pitch-pine cones, dry them so that the scales will open, dip them into water and sprinkle grass seed into the openings. By setting the stem close up, and the grass will show itself in a few days and continue to grow as long as the cone is kept moist. It can be hung by a string in the window or placed on a flower-stand.

very simple and easily made, but at the same time they will serve as an additional dish in the case of an emergency. Mix a little grated ham with some mashed potatoes, two hard boiled eggs, chopped fine, and add butter, salt and pepper to suit the taste, and make into groungetes.

To Hash Ducks. — Nothing tastes better than a fat roast duck. Cut it into pleces is in carving at table, skin and soak these by the side of the fire in a little boiling gravy till thoroughly hot. Add a small glass of wine and a sufficient quantity of mixed spices to give the sauce a high relish.

SIDNEY SMITH speaks of a man so dry that if you were to bore holes in any would come out.

"What kind of a waist has the ocean?" asked a fashionable young lady of her lover—"A watery waste, my dear."

CRACKED PRARL WHEAT.—Add one part wheat to three and a half parts water. Cook two or three hours in a double boiler. Serve warm or cold with or without trimmings.

WHY are planes the noblest of manufactured articles? Because they are grand, upright and square.

WHY may a tipsy man fall into the river with impounts? Receause he won?

LEMON JUICE will retain its odor for weeks, and will not turn mouldy, even if kept uncovered, if five grains of salicylic acid are added to each pint.

LOST.—The buttons from a coat of paint.

three tails that came out of his hat," when the Caledonian, with a shrug of contempt, interrupted him with the ex-clamation; "Hoot, mon, and ha' we no' Sir Walter (Scott) right here amang us wi' forty tales all direct frae his head?" The traveller was silenced.

when they have ignited, sprinkle a little salt over them. Cinders may be styled home-made coke, and the woman who wastes them should learn that she

"Dogs my baby annoy you nights?" asked a fould mother of a serious-looking young man who occupied the adjoining room. "Oh, no; not at all," he meekly replied; "I love babies." And yet he had been engaged for several days upon an article in defense of Herod. HALF a pound of shot judiciously ad

ministered to sympathetic cats, at this season of the year, will bear fruit in increased hours of alumber throughout the coming summer and have a tendency the coming summer and have a tendency to prevent a corner in the chicken market. A YOUNG MAN suffering from "heredi-tary gout" said that he didn't mind the pain of it so much, "but," said he, "the thought that some old ancestor had all the fun of acquiring this prec ous heir-loom is what takes hold of me."

"What do they always put D. C. after Washington for?" asked Mrs. Quilp of Mr. Q. "Why, my dear, don't you know Washington was the Daddy of his Country?" said Quilp, with a snicker.

KIND hostess (encouragingly: "Now. Mr. Spoonbill, I'm sure you want a vis-a-vis?" Spoonbill (oh so young!):
"No thank you, I'd rather not -I've just had a bun."

"Your press," said a husband to his fashionable wife, "will never please the men." "I don't dress to please the men," was the reply, "but to worry other women." "Will this pipe smoke free?" asked a gentleman who was purchasing a pipe. "Of course it will, if you can get your tobacco for nothing," was the

"A PHILOSOPHER being asked what was the first thing necessary towards winning the love of a woman, answered, "An opportunity."

SIDNEY SMITH speaks of a man so dry

Ways in which the Sun In If we now turn to the sun, we find that there are three distinct forms of motion which animate his surface particles. In the first place each particle is carried round by the rotation of our luminary. Secondly, each particle is influenced by the gigantic meteorological disturbances of the surface, in virtue of which it may acquire a velocity ranging as high as one hundred and thirty or one hundred and forty miles a second; and lastly, each particle on account of its high temperature, is vibrating with extreme rapidity, and the energy of these vibrations is communicated to us by means of the ethereal medium produces the well-known light and heat effect of the sun.

Now, is it philosophical to suppose that it is only the last of these three motions that influence our earth, while the other two produce absolutely no effect? On the contrary, we are, I think compelled, by considerations connected with the theory of energy, to attribute an influence, whether great or small to the first two as well as to the last.

PONDS

The People's Remedy. The Universal Pain In NOTE: Ask for POND'S LIN

CHO'S EXTRACT—The great Veg years, and for ch

an influence, whether great or small to the first two as well as to the last. We are thus led to suppose that the sun must influence the earth in three ways, one depending on his rotation, another on his meteorological disturb-

But we have already seen that, as a matter of fact, the sun does appear to influence the earth in three distinct ways—one magnetically and meteorologically, depending apparently on his period of rotation; a second cyclonic-MOTEY DISEASES.-It has SLE-01:19 from any cause, RIEUMATISM, NEURALDIA,

ally, depending apparently on the me-teorological conditions of his surface; and a third, by means of his light and

Dr. Schenck's Standard Ben The standard remedies for all diseases of the lungs are SCHENCE'S PULMONIC STRUP, SCHENCE'S SEA WEED TONIC, ad SCHENCK'S MANDRAKE PILLS, and,

if taken before the lungs are destroyed, a speedy cure is effected.

To these three medicines Dr. J. H. Schenck, of Philadelphia, owes his un-

ance, and a third by means of the vibi

ion of his surface-particles.

tient will surely get well if care is taken to prevent fresh cold.

All who wish to consult Dr. Schenck, either personally or by letter, can do so at his principal office, corner of SIXTH and ARCH STREETS, Philadelphia, every Monday.

Schenck's medicines are sold by all

druggists throughout the country. [From the Toledo Blade.] "Success is never achieved without

merit. A man may make a poor article and sell it once, and there being 40,000,000 people in the United States, the sale to each one would be enough to make a decent fortune. But an article that holds the field year after year, and the sales of which increase regularly and rapidly, must have absolute merit. Dr. R. V. Pierce, of Buffalo, N. Y., occupies our entire eighth page to-day because we know the Doctor, and know of his articles. We know him to be a regularly educated physician, whose diploma hangs on the wall of his office, and we know that he has associated with him several of the most eminent practitioners in the country. We know that parties consult him, by mail and in

person, from all the States in the Union every day, and that they are fairly and honestly dealt with.

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as the greatest specific for Catarrh and "Cold in the Head" ever given to the public. They are sold by druggists.

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I am, sir, yours respectfully,
WILLIAM RYDER,
Reffal of the truth of this information.

13 87 Jefferson St., Buffalo, N. Y.



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" Hear, for I will seenk of each

FEMALE WEARNISSES

VARIGOSE VIJAS .- It

Earache i real alike red cred, such manerity c red.

PHYSICIAES of all schools who are a with I oned a Extract of Witch II omned that I expressed to the large commendation from hundreds of the many of when order it for use in practice. In addition to the first order its u e for Swellings of Quiray, Sore Thrust, Inflamed simple and chronic Dinarhom, the best of the first of the fi

Complexion.

10 FARMERS.—Pond's Extract.
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it. It is used by all the Leading Live
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Chills, Colds, etc., its range of act
and the relief it affords is see prominvaluable in every Farm-raid as
every Farm-home. Let it be tried
you will never be without it.

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The contine article has the words Pend to the only persons living who me how to prepare it properly. Refuse preparations of Witch Hazel. This is a article used by Physicians, and not left of this country and Er op.

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