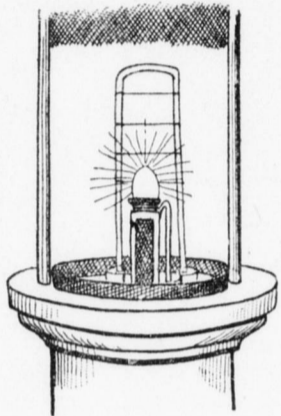


NEW LAMP FOR MINERS.

It is provided with a Gas Detecting Attachment, Placed Just Above the Flame.

One of the most practical inventions of the last century was the miner's lamp, with its sheet of gauze surrounding the flame, enabling the miner to work in coal mines where gas was liable to be found without danger of causing an explosion with his light.



LAMP THAT DEFLECTS GAS.

Positions determined by experiment, in which they represent percentages of gas present by becoming reddened with the heat of the flame. The user of the lamp will, of course, be informed of the danger limit, and when the strands are heated to an unusual or dangerous height will abstain from working in such gaseous quarters.

Law Against Prairie Dogs. A law for the extermination of prairie dogs has been passed by the Texas legislature.

NEW LIFE PRESERVER.

It is So Light and Compact That Constant Wear Occasions No Discomfort.

The steamship companies which did not provide life preservers in number equaling or exceeding its passenger-carrying capacity would be summarily dealt with by the government, and yet every one knows that when the time arrives for their use the passengers and crew may be too much excited to profit by the provision thus made for their safety.



PNEUMATIC LIFE PRESERVER.

The ocean would certainly feel no small degree of added security were he provided with the apparatus shown in the illustration. No one would think of wearing one of the bulky life preservers usually provided on ship-board all the time, but here is an apparatus which will answer the same purpose, and yet without discomfort when constantly worn.

The Violet Light Cure.

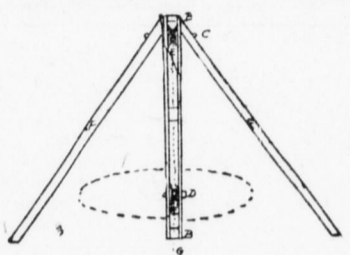
In the curious light cure of Dr. W. J. Morton, violet light is produced in the body itself. A quinine solution of the strength of one grain to eight ounces, shows a beautiful violet fluorescence under the X-rays, and as a 20-grain dose of quinine would probably cause the ten pounds of blood in the body to become a solution of similar strength, it is assumed that the blood would light up in a like way.



CLEANING FARM WELLS.

How to Build a Derrick Which Facilitates the Work and Is Simple in Construction.

Every farmer should have his well good and clean for the winter months. Here is a design for a handy well derrick by four inches thick, made of elm. The three pieces at each end and the middle are four by four inches, also of hardwood, spiked to the scantling.



DERRICK FOR CLEANING WELL.

A one and one-fourth inch hole is bored at the top, about 14 inches from the end. Another hole, the same size, is bored at the bottom, about one and one-half feet from the end. The cut shows the derrick set up for use. The legs are 11 feet long, four inches thick, and of good, solid timber.

THE OLD-TIME DAIRY.

Much Fun Was Poked at It, But Its Owner Usually Acquired a Bank Account.

Only under certain conditions, the dairy means wealth to the farmer, and fertility to his farm. If these conditions be not secured, and maintained, dairying will exhaust the farm and impoverish the farmer more speedily and more hopelessly than almost any other form of farming.

Old-time dairy farming sent from the farm only the butter, and the old-time farmers made money and were the most independent men on earth. When farmers once more take up home churning, dairy farming will once more become steadily and satisfactorily profitable, and dairy farms will once more increase, instead of decrease, in fertility.

It goes away in cans while the churn runs in the shed or garret. It nets the tenant 75 cents for each dollar he puts into it. He can't pay his rent. The owner says he is no good. The tenant says the farm is no good—and both are right.

Sanitary Cow Stables Needed. It seems to be a difficult thing in dairy management to secure cleanly conditions in a cow stable. About 59 out of 100 are far from sweet and clean; the offensive odors contaminate the breath, blood and tissue of the animal; and consequently a first-class article of milk cannot be produced.

Keeping Boys on the Farm. A prominent breeder of Short-horns claims to have found a way to keep the boys on the farm. As each boy reaches a certain age he gives him a few good pedigreed females, bargaining that he is to have all the males while the boy receives all the females.

SPRAYING OF PLANTS.

Circumstances Have Made Copious Use of Insecticides and Fungicides Imperative.

In an address on spraying, Prof. F. M. Webster said: The canker worm, the tent caterpillar, leafrollers and other native leaf-eating insects, find instead of an occasional wild cherry tree, wild crabapple tree or wild plum tree, whole acres of improved varieties of these, acres upon acres of raspberry, blackberry, strawberry and grape.

Every farmer should have his well good and clean for the winter months. Here is a design for a handy well derrick by four inches thick, made of elm. The three pieces at each end and the middle are four by four inches, also of hardwood, spiked to the scantling.

HOW TO KEEP ROOTS.

Every Farmer Who Keeps Stock Should Build a Substantial Cellar for Them.

Roots are one of the common feng crops of Canada and the northern states. They are a crop it pays to winter properly. My root cellar is 24x30 feet and ten feet high, having stone sides.



SUBSTANTIAL ROOT CELLAR.

to both cellar and alley. There are three windows, one at each side and one at end. These are well banked in winter.

Roots are aired through doorway during severe weather. There is also a loose stone wall, built four feet high around the cellar about four feet from wall of cellar. The space between is filled with clay six feet high. There is no danger of roots freezing even in coldest winters.

In such a cellar they winter perfectly. I winter over 1,500 bushels Swedes; 2,000 bushels could be put in, but if too many are together they are liable to heat and spoil. I keep turnips until there is green feed ready to cut in the fields for my show sheep and lambs.

Cream Curls. To make the curls the pointed tin tubes sometimes called lady lock sticks are used. Roll puff paste or good chopped paste thin and cut in strips not over two inches wide. Wind from the small end of the tube and have each layer overlap the preceding one a very little.

Cabbage Worm Remedies. The only sure and abiding remedy for cabbage worm, says an authority, is a small handful of fine sawdust. It is cheap, sure, harmless and effectual. Probably the best and cheapest way to combat worms on cabbages is simply to sprinkle salt on the infested heads.

Very Penetrating.

Some years ago there was an old judge on the bench in Berks county, whose decisions, in consequence of numerous reversals, did not always command universal respect. One day in a case in which he was sitting, one of the lawyers lost patience at his inability to see things in a certain light, and in the heat of the moment, remarked that the intellect of the court was so dark a flash of lightning could not penetrate it.

M. K. & T. Ry. Annual Seaside Excursion.

An excursion to Galveston at this season of the year insures a delightful excursion trip at a small cost. There is nothing so good for tired bodies and weary minds as ocean breezes, and a trip of this kind at this time will prove both a health and pleasure trip.

Before Marconi. An Egyptologist and an Assyriologist were disputing about the relative advancement of the two ancient peoples whom they were studying.

Stops the Cough and works off the cold. Laxative Bromo Quinine Tablets. Price 25 cents.

Poverty is a tonic that the self-made man is generally free to recommend for some other fellow's boy.—Chicago Record-Herald.

Three trains a day Chicago to California, Oregon and Washington. Chicago, Union Pacific & North-Western Line.

If you stand too much upon your dignity, somebody is sure to walk on it.—Chicago Tribune.

Three solid through trains daily Chicago to California. Chicago, Union Pacific & North-Western Line.

The most amiable people are those who least wound the self-love of others.—Bruyere.

Piso's Cure for Consumption is an infallible medicine for coughs and colds.—N. W. Samuel, Ocean Grove, N. J., Feb. 17, 1900.

The reason why so few marriages are happy is because young ladies spend their time in making nets, not in making cages.—Swift.

Putnam Fadeless Dyes color more goods, brighter colors, with less work than others.

No pleasure is comparable to the standing upon the vantage-ground of truth.—Bacon.

One way to keep a woman's love is to return it.—Chicago Daily News.

Patience is the key that worries out the combination.—Milwaukee Sentinel.

Where strong men have wills weak ones have wisdom.—Chicago Daily News.

Some men remember events by what they had to eat on that day.—N. Y. Times.

Edna—"What a graceful swimmer Stella is." Lillian—"Well, seven seasons of the social swim will make us good swimmers, too."—Chelsea (Mass.) Gazette.

Mrs. Goodart (hostess)—"Where's your appetite, Mr. Dumley? You're not eating much." Mr. Dumley (guest)—"Oh! I eat lots." Willie Goodart—"Gee! I hope you won't be the one we play ball on."—Philadelphia I.

Charitable—"I've—'I gave your father the money to buy you a coat last week. See you're not wearing it." Boy—"No, mum, I put it on a 'orse." Lady—"On a horse! But he should have thought of your comfort before that of an animal!"—Punch.

"How did the firm like your report of last month's work?" asked the first drummer "Well," replied the other, "the boss said there was one part of it that exceeded his expectations." "What part was that?" "My expense bill."—Philadelphia Ledger.

Miss Bragg—"And when he gave me the ring he said: 'There is only one woman in the world worthy to wear this diamond, and that's you.'" I thought that very flattering. Miss Speitz—"Yes, they do say that imitation is the sincerest flattery."—Philadelphia Press.

A motor car on the London and Brighton road passed over a dog, but did not apparently hurt it. The driver, however, stopped the car, jumped out, and gave the man with the dog a sovereign. "I hope you will accept that as a peace offering," he said. The man pocketed the coin, and, as the car exploded off on its course, he muttered, "I wonder whose dog it is!"—Glasgow Times.

FREE PROOF FORBIDS DOUBT.

GAINES, Pa., August 3, 1903.—"I received your sample of Doan's Kidney Pills and since have taken two boxes, and I can truly say they are as good as they are recommended to be. When I began taking them I could not bend my back enough to pick up a stick of wood—sometimes could not walk or move my feet—had two doctors but did not get relief. I saw your ad., and got a trial box and have taken two boxes, and I am able to do a very hard day's work. Doan's Kidney Pills are a God-send to humanity."—Mrs. ELLA A. MARRISON, Gaines, Pa., Box 156.

The great fame of Doan's Kidney Pills is won by the wondrous power of the free trial to demonstrate surprising merit.

Aching backs are eased, Hips, back, and loin pains overcome. Swelling of the limbs, dropsy, signs, and rheumatic pains vanish.

They correct urine with brick dust sediment, high colored, pain in passing, dribbling, frequency, bed wetting. Doan's Kidney Pills remove calculus and gravel.

Relieve heart palpitation, sleeplessness, headache, nervousness, dizziness.

For free trial box, mail this coupon to Foster-Hitchcock, Buffalo, N. Y. If above space is insufficient, write address on separate slip.

NAME.....

P. O. ....

STATE.....

For free trial box, mail this coupon to Foster-Hitchcock, Buffalo, N. Y. If above space is insufficient, write address on separate slip.

Doan's Kidney Pills. PRICE 50 CENTS. SPECIALLY FOR KIDNEY COMPLAINTS.

CALEDONIA, WYO.—"Previous to taking the sample of Doan's Kidney Pills I could scarcely hold my urine. Now I can sleep all night and rarely have to get up, and that aching across my back, a little above my hips, is gone."—ISAAC W. STEVENS, CALEDONIA, WYO.



Many women and doctors do not recognize the real symptoms of derangement of the female organs until too late.

"I had terrible pains along my spinal cord for two years and suffered dreadfully. I was given different medicines, wore plasters; none of these things helped me. Reading of the cures that Lydia E. Pinkham's Vegetable Compound has brought about, I somehow felt that it was what I needed and bought a bottle to take. How glad I am that I did so; two bottles brought me immense relief, and after using three bottles more I felt new life and blood surging through my veins. It seemed as though there had been a regular house cleaning through my system, that all the sickness and poison had been taken out and new life given me instead. I have advised dozens of my friends to use Lydia E. Pinkham's Vegetable Compound. Good health is indispensable to complete happiness, and Lydia E. Pinkham's Vegetable Compound has secured this to me."

MRS. LAURA L. BREMER, Crown Point, Indiana, secretary Ladies Relief Corps.—\$5000. (See original of above letter proving genuineness of product.)

Every sick woman who does not understand her ailment should write Mrs. Pinkham, Lynn, Mass. Her advice is free and always helpful.

THE FOOD THAT DOES GOOD

A medicinal food that attacks microbes and drives out disease



HAVE YOU TRIED IT?

The Only Vitalized Emulsion of Cod Liver Oil with Glycerine, Guaiacol, and the Hypophosphites of Lime and Soda.

For weak, thin, consumptive, pale-faced people, and for those who suffer from consumption, chronic diseases and weakness of lungs, chest or throat.

Ozomulsion is a Scientific Food, prepared under aseptic conditions in a modern laboratory under supervision of skilled physicians.

To be had of all Druggists in Large Bottles, Weighing Over Two Pounds.

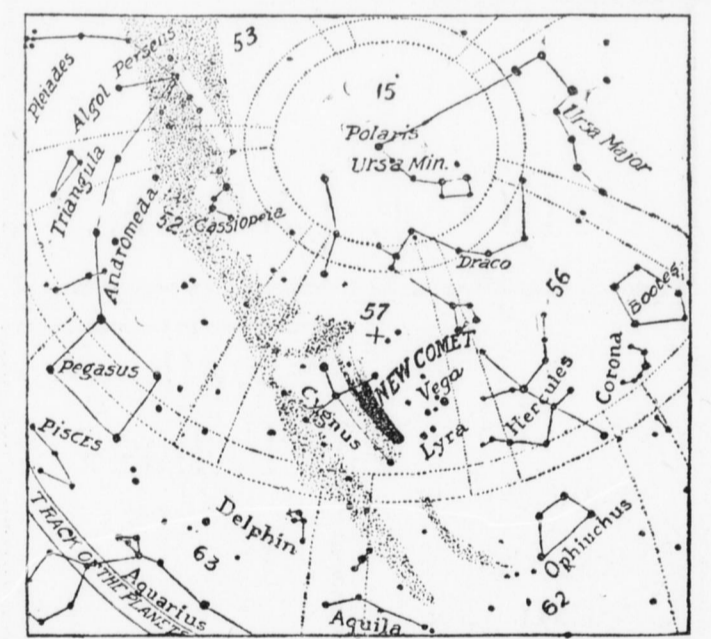
A Free Sample Bottle By Mail

will be sent by us to any address on request, so that invalids in every walk of life can test it for themselves and see what Ozomulsion will do for them. Send us your name and complete address, by Postal Card or Letter, and the Free sample bottle will at once be sent to you by mail. Prepaid. Also, Children's Book "Babyville" in Colors. Address

Ozomulsion Food Co 98 Pine Street, New York A. N. K.-C 1904

WANTERS—36-jeweled Elgin, 20-year case, \$25. Sent for catalogue, G. H. Goodwin Co., Troy, N.Y.

POSITION OF THE NEW COMET BORELLI.



WITH the aid of the accompanying chart, a little observation of the northern heavens will enable star gazers without glasses to detect the tenuous body of Borelli's comet, glittering in the vicinity of the constellation Cygnus. This new visitor of the solar system will be found, according to the Lick Observatory astronomers, about six degrees southwest of the bright star Alpha Cygni—the brightest and most northern member of this constellation of a star of the first magnitude.

The constellation, popularly known as The Swan, lies not far to the east of Vega, also a first magnitude star, and about twice as far almost directly south of the familiar and conspicuous Pole star. The new comet was visible with the naked eye when the observations reported were made at the Lick Observatory a few weeks ago.

As it is speeding on its parabolic path with enormous velocity toward the sun, under whose fierce radiation of heat its two prominent tails are very rapidly swelling in size, the celestial wanderer ought to be easily recognized, and it may very soon become, as Prof. Campbell expects, "the brightest comet of the past ten years."

The two prominent tails, already observable in the comet, will no doubt grow, possibly to startling proportions, before the comet reaches a perihelion, which it will do in August, but when it leaves the solar system and plunges again into the cold depths of space these striking appendages will contract upon the central mass or be largely lost to the retreating comet.

THE IDEAL WOMAN.

She has no history. She does not reason; she loves. Not only is she easy to live with, but she is worth living for. She is too clever to talk of woman's rights; she takes them. She is not such a fool as to fancy that anyone is ever convinced by argument. She helps her husband to build up a future for himself, and never seeks to rake up the past. She does not believe that a man can love only once or only one. She herself

prefers loving much to loving many. She knows that when men talk about a woman being good-looking they mean that she is well dressed, though they do not know it. She does not insist upon her husband eating up the cucumber sandwiches left over from one of her parties; she eats them herself and suffers in silence. She knows that every real woman is the ideal woman—the fact being that every idea of ideal woman is wholly dependent on the idealist, and every woman who is idolized is idealized.—Philadelphia Bulletin.

Advertisement for WISE WOMEN BROMO-SELTZER TAKE TRIAL BOTTLE 10 CENTS. WITH NERVES UNSTRUNG AND HEADS THAT ACHE.