

the enemy the stairs creep. is the garrison? or asleep?

Shan't we surprise her?" Tom Whispers to Dick. Wait till I tell you; then Charge and be quick."

Suddenly sounds the horn,
Gives them a fright.
Was I asleep?" laughs Flo.
"Well, hardly quite."
—Atlanta Journal.

Latent Heat is Not Heat.

Latent Heat is Not Heat.

It was formerly believed by the scientists that heat was a form of matter and that this matter had actually to enter any substance in order to raise its temperature. The evaporation of water, for example, was caused in this way, they thought, but as evaporation is not attended always by an increase of temperature, they said that the heat, having entered the water and performed its task became "latent." It is now known, however, so far as a phenomenon of this kind can be known, that heat is the energy of molecular motion in matter; that is to say, it is a condition of matter, and not matter itself. The term latent heat is still employed, but it now means the energy needed to overcome inter-molecular attraction. When water evaporates under the action of sunshine there is no communication of lucat, but the energy of the solar radiation is spent in separating the molecules of water, thus turning them into vapor. Latent heat, therefore, is not heat at all, but radiant energy.—Philadelphia Record.

The bacteriologists are learning to take new views of the minute creatures which they study. When the startling world of micro-organisms was discovered there was nothing but hard words for it. The first bacteria found were those of disease, and the bacteriologists were so horrified by their misdeeds that they condemned the whole tribe of micro-organisms to death without inquiring further into the matter. The humorist and the comic artist lend aid in biasting their reputations, making jokes and drawing imaginary pictures of microbes with horrible jaws, eyes and tentacles, until the mere word bacteria came to mean something dreadful. It was much like mentioning a cobra or boa constrictor to even speak of them.

Pasteur—the great, wise Pasteur—so feared bacteria that he kept a bowl of scalding water by his plate at meals, dipping his dishes, knives and forks into it before using them by way of preventing the smallest microbe from passing his lips—and did, in fact, prevent it so effectually that he ruined his digestion, poor ma. For in scalding the evil-disposed bacteria to death he scalded many more that were necessary in carrying on the work of his stomach, and so deprived himself of their aid.

The bacteriologists now know that there are many well meaning microbes among their charges. The microbe tribes are made up like those of the larger creatures. There are useful, harmless cows and dogs and sheep and poultry as well as murderous digers, lions and vampire bats in the microbe world. In fact, the useful bacteria are in the majority, just as the useful entire the savage ones.

The bacteriologists have lately found several most promising species among them. There is one tribe, for example, that may be turned into scavengers. They are very greedy for refuse of all kinds, and it is suggested by the sanguine that in time they may be raised in large tanks and made to devour the garbage of cities. Another microbe that makes phosphorescent fishes luminous, living off it, and do not want to promise too much, but they ad

was interested in lumber, and had brought the two boys with him to stay at the lumber camp until he should finish his buying. The weather had been colder than the youngsters had ever before known, but they did not feel it as cold as a zero day at home. They spent most of their time in the open air. They had a dozen traps set in different positions not far from the camp, and made their rounds each day with much precision, like the genuine trappers.

Sometimes as a reward for their pains they would find a rabbit or partridge.

Early one morning in midwinter the two boys started on their rounds. Trap after trap was visited with the same result, the bait was gone and the trap sprung, but no game.

"I believe," said Pierre, "that the bait was taken away by a human being: it couldn't be so clean gone if taken by any animal, I know."

That night the camp was visited by some mysterious person, or animal, and a big wooden pail of butter emptied, and cakes of maple sugar stolen. For three nights the thievery continued, and the fourth night a watch was kept in the camp, but not a sign of animal or man rewarded the watchers. The traps were sprung and the bait had disappeared, however, the next morning when the boys made their rounds. They had 12 traps in all, and it was not until about noon that the last was reached. As they neared it Pierre's bright eyes discovered that the hard crust of snow had been broken and that the tracks were those of some large animal.

"I'm sure we've got him this time," whispered Stacy, excitedly. "What do you suppose it can be? His tracks are as big as—as a bear, almost. I wish Uncle Perry were here. Suppose it should be a bear, Pierre, what would we do with him?"

"Pool! it isn't a bear," said Pierre, decidedly; "you needn't worry."

Pierre's sentence was interrupted by a whine, more like that of a puppy than any wild animal, and a rattle of chains from the trap. They stopped an instant, holding their breaths, and peering anxiously toward the trap. The whine was repeated, and it seemed to say:

There, caught fast in the trap, and whining and crying like a baby, was the roundest and blackest little cub of a bear you have ever seen.

The cub, instead of showing fear of the boys as they approached, raised himself on his hind legs and sat there like a dog begging.

Stacy had gone forward, and much to his surprise the sociable little cub put, out his front right paw as if to shake hands, and the boy, always fond of animals, offered his. They shook hands like brothers the little cub fatrly laughing with joy at having found a friend.

"The's a tame bear." declared Stacy, "and I'm not a bit afraid of him. Helpme to loosen the trap from his foot, will you, Pierre? I'm going to put a strap round his neck and lead him back to camp.

Together they loosened the clamp, the sagacious little cub watching every movement, and doing his best to help. In a few minutes he was free, and the first thing he did was to hug Stacy—not a big bearlike hug, but a gentle, funny, cub-like one, that made both boys laugh. The cub danced about on the frozen crust of snow as well as he could with his hurt, foot, which had been caught in the trap, turned a series of somersaults, stood on his head and walked on two feet as naturally as a boy, while Pierre and Stacy, with eyes wide open in astonishment, stood fascinated by the exhibition.

It certainly seemed ridiculous to put a strap on an intelligent animal like this, so they decided to take him as though he were a companion, without force.

Indeed the little cub was only too glad to have company, and he frolicked clumsily along with the two boys, grunting every now and then to left them know how satisfied he was with his lot. But at every step his poor foot grew more painful, and he soon began to cry like a baby.

"We've got to get you to camp," and far awdully sorroy for you, little cub. You're a plucky fellow, anyway. Say, Pierre, are you willing to carry him? We can make a chair as we do at home for Meg and Beth."

Ten minutes later the men in camp were astonished to see a queer proc

A Mild Winter in the West.

This winter for the first time in the history of the Dakotas as states or as a territory the Sioux Indians at Rosebud are allowing cattlimen to grazal herds on the reservation on payment of a stipulated price. Feed is unprecedentedly scarce on some parts of the Cheyenne river, and hnce th arrangement referrd to, which has been approved at Washington. It is estimated that 25,000 head of cattle are now grazing on Indian lands.

Species of Salt Water Fishes.

Species of Sait Water Fishes.

The number of species of fishes living habitually in the sait waters of the world can only be approximately estimated, probably about 10,000. Those classed as "shore fishes" live as a rule close to the surface and near the land, and are well known to the sait water angler in his outings as the weakfish, striped bass, kingfish, etc. Of the shore fishes there are about 4,000 species. The "pelagic fishes," or those which inhabit the upper waters of the seas, are relatively few in number. The "deep-sea fishes," which live in depths varying from 200 2,500 fathoms, cannot be even approximately estimated, as new species are being constantly discovered.—Field and Stream.

A rice kitchen is to be maintained at the Buffalo fair by the rice association of America. Rice will be served in various forms, showing its value as a staple article of food.

Try Grain-O! Try Grain-O!

Ask your grocer to-day to show you a packs age of Gant-O, the new food drink that take-the place of coffee. The children may drink it without injury as well as the adult. All who try it, like it. Grain-O has that rich seal brown of Mocha or Java, but it is made from pure grains, and the most delicate stomach receives it without distress. X the price of coffee. 15 and 25c, per package. Sold by all grocers.

The Assistant State Veterinarian of Texas recently found four cases of glanders among horses in Walbarger County. In several instances the disease had proved fatal. It was said that the disease had been imported from the adjoining Territardes.

trades.

There is a Class of People
Who are injured by the use of coffee. Recently
there has been placed in all the grocery stores
are proparation called Chairs-O, made of
are proparation called Chairs-O, made of
the proparation control of the control of the control
The most delicate stomach receives it without
distress, and but few can tell it from coffee,
It does not cost over ½ as much. Children
may drink it with great benefit. 15 cts. and
25 cts. per package. Try it. Ask for Grair-O.

After wereling as a locomotive conjugate.

After working as a locomotive engineer on the Baltimore and Ohio Railroad for just half a century, Joseph West, of Cumberland, Md., has been retired on a pension at the age of seventy-five. In all the years of his employment he never received the slightest injury, never had a wreck of any consequence.

PUTNAM FADELESS DYES do not stain the hands or spot the kettle. Sold by all druggists.

Some people think twice before they speak, and others speak twice before they think.

The miner couldn't earn a living unless he was kept down in the world.

he was kept down in the world.

Catarrh Cannot be Cured

With local applications, as they cannot reach
the seat of the disease. Catarrh is a blood of
the seat of the disease. Catarrh is a blood of
you most take internal remedies. Hall's Catarrh Cure is taken internally, and acts directly on the blood and nucous surface. All's
Catarrh Cure is not a quack medicine. Hall's
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known, combined with the best blood purifiers,
acting directly on the nucous surfaces. The
perfect combination of the two ingredients is
what produces such wonderful results in curis and the season of the combination of the season of
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Sold by Druggists, price, 76c.
Hall's Family Pills are the best.

A railway ensine is equal in strength

A railway engine is equal in strength to nine hundred horses.

Mrs. Winslow's Soothing Syrup for children teething, soften the gums, reduces inflamma-tion, allays pain, cures wind colic. 25c a bottle Great Britain has no distinctive and ex-clusive throne.

A prominent physician says that seventy-five per cent. of the people have a touch of consumption some time in their lives.

Garfield Headache Powders represent the most scientific combination of those remedies which cure headaches quickly and which have no bad effect upon the system. Best results are obtained by following directions.

"A broth of a boy" must be one who is always in the soup.

Nicaragua has established a museum in Managua, the capital, for the publi-display of foreign products. Sample and articles for exhibition, free of cost

The war in South Africa has drained from Australia more than 10,000 workers; has lessened the inflow of British capital for the development of new mines, and, combined with the remarkable industrial boom in Europe, has fully stopped emigration to Australia.

Coughing Leads to Consumption. Kemp's Balsam will stop the cough at once, Go to your druggist to-day and get a sample bottle free. Sold in 25 and 80 cent bottles. Go at once, delays are dangerous.

Many plants which have long been classed among the worst and most useless of weeds have been found in recent years to possess considerable value as animal foods. It is claimed that even Canada thistics can be converted into a valuable winter food for sheep by cutting them when in bloom, storing them and softening their spikes in silos.

Lanc's Family Medicine Moves the bowels each day. In order to be healthy this is necessary. Acts gently on the liver and kidneys. Cures sick headache. Price 25 and 50 cents.

The Pennsylvania State College has just graduated forty dairy experts. Cauliflower, as we know from Mark Twain, is only "cabbage with a college education," and Pennsylvania cram cheese properly mainpulated by these experienced hands may develop into a Brie or Camembert delying distinction from the imported article.

Ing distinction from the imported article.

Last year the Ohlo maple syrup crop on the Upper Sandusky brought the manufacturers about \$7,000. This year it is expected to reach \$10,000. The huge boiling kettles of a few years ago have been regulated, until now the evaporater accomplishes the work cheaper and better than the old way, in observance of law in Ohlo governing the production of this article of food every can must have a label of the maker testifying as to the purity of the contents.

Trade is growing with the Orient. Two new ships have been put on in one line between San Francisco and Manila.

Any Doctor

is willing to treat you for rheumatism, if your credit is good or you pay his fee. But only one doctor will cure your rheumatism, and he charges nothing for advice.

This physician is Dr. Greene, the discoverer of Dr. Greene's Nervure. If you will write to him at 35 West 14th Street, New York City, he will tell you exactly how to get rid of rheumatism for good and all. It won't cost you anything to get his advice. Why don't you write to Dr. Greene to-day?

According to the latest report of the United States commissioner of education the average salary for supervising and teaching in public schools is, in Boston, \$1,065.77, in Chicago, \$802.03, San Francisco \$879.27, Cincinnati, \$868.51, Denver, \$834.96, Pittsburg \$703.72, Philadelphia \$698.02.

The Tower of London was built to relieve the traffic of London bridge.

"The Sauce that made West Point famous." MCILHENNY'S TABASCO.

DROPSY NEW DISCOVERY; gives or guick relief and cures worst cases. Book of testimonials and 10 days' treatments of the case. Book of testimonials and 10 days' treatments of the case of the case. Book of testimonials and 10 days' treatments of the case of the

FREY'S D. N. Will. Same, Kr., says
Froy's Vermifuge is the best
Worm destroyer I have ever found. Hease
Mis. B. C. Synam, Gordonsville, Va.
Leading and no cher.
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P. N. U. 15, 1901.







A LUXURY WITHIN THE REACH OF ALL!



The Lion sets the style for many a comm

It's human nature to imitate great things.

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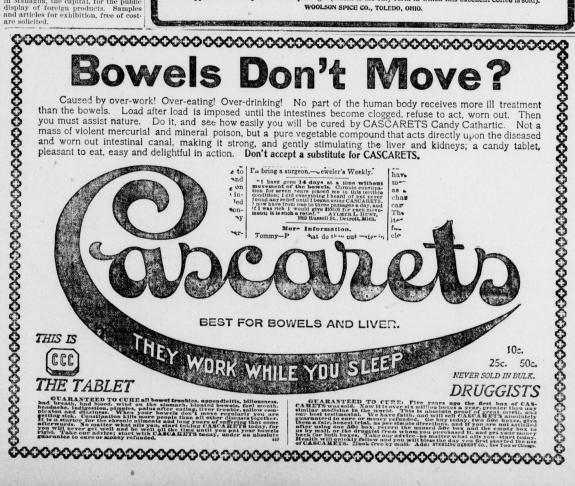
aroma and strength peculiar to LION COFFEE is never found in these imitations.

Taste LION COFFEE and then taste the others that are glazed and coated with egg mixtures and chemicals to make them "look better" and in order to hide imper-fections.

LION COFFEE

In every package of LION COFFEE you will find a fully illustrated and descriptive list. No housekeeper, in fact, no woman, man, boy or girl will fail to find in the list some article which will contribute to their happiness, comfort and convenience, and which they may have by simply cutting out a certain number of Lion Heads from the wrappers of our one pound sealed packages (which is the only form in which this excellent coffee is sold).

WOOLSON SPICE CO., TOLEDO, OHIO.



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