

THE EARTH'S CRUST.

Even Geologists Do Not Know How Thick It Is.

The question to what depth in the crust of the earth the water of the surface descends is one which has claimed the attention of geologists, but which, for obvious reasons, cannot be answered. It should be borne in mind that the crust of the earth compared with the entire mass is far thinner in proportion than the sheet of paper in which an orange is wrapped. The heat of the earth increases very rapidly upon descending toward the center, and geologists reason that at the depth of three or four miles the entire mass is in a liquid state. Of course, no water would be found at a depth where the heat is sufficient to convert water into steam, and thus to whatever extent the water may penetrate the interior of the earth, it will be returned to the surface in a vaporized state after descending two or three miles. That it sometimes reaches such a depth is evident from the fact that in all or nearly all volcanic eruptions great clouds of steam are ejected, indicating the action of heat in the depths of the earth. The number of feet or miles to which water must descend below the surface in order to be converted into steam probably varies in different locations. The lower levels of the Comstock lode in Nevada are from 2,300 to 2,700 feet below the hoisting works, and the heat is so great that the workmen are now confined to the upper levels. A reliable authority says: "The deepest perpendicular mining shaft in the world is located at Prizlitz, Bohemia, a lead mine begun in 1832, and in January, 1880, it was 3,200 feet deep. The deepest coal mine in the world is near Tourney, Belgium, 3,542 feet deep; the deepest rock-salt bore in the world is near Berlin, 4,185 feet; the deepest hole ever bored in the earth in the artesian well at Potsdam, 5,500 feet in depth. The deepest coal mines in England are the Dunkirk collieries of Lancashire, 2,824 feet in depth. The deepest coal shaft in the United States is located at Pottsville, Pa., and in 1885 it reached a depth of 1,576 feet."—St. Louis Globe-Democrat.

PREVENTS MILDEW OR MOLD.

Improved Method of Keeping Chilled Meat.

The carriage of meat and other perishable goods on long voyages is often attended with great loss. A simple process has been discovered in Australia whereby meat can be kept in a chilled condition for an indefinite period. The primary object of the invention is to prevent mildew, or mold, bone stink, and other deleterious conditions which arise through the presence of obnoxious gases in the chilling and freezing chambers. These are got rid of by maintaining a supply of pure air in the chambers at all times. The invention is applicable to every process now in use in the chilling and freezing of meat and food supplies generally. It consists mainly of a steam pipe, which, inclosed in a wooden duct, runs along the bottom of the chamber. The heat volatilizes the gasses which are always at low levels, and the duct carries them off to the brine tanks, where the air is purified. In some tests made in Sydney, carcasses of mutton were placed in the chamber and kept there for 81 days. When examined the meat was well chilled, perfectly sweet, and of excellent color. There was no sign of "greasiness" or any of the objectionable conditions which are usually set up when chilled meat is kept for a long time. It was all appearances in better condition than the butcher's meat that had been a day or two in the stores. The temperature at which the meat is kept ranges from 40 degrees Fahrenheit down to 28 degrees Fahrenheit, but it is never allowed to remain at the lower point, so that the meat is not frozen. It is believed that in applying the process to ships, freezing or chilling at the port of shipping will become unnecessary. All that will be required will be to place the carcass warm from the abattoirs, in the vessel's hold, and chill the meat, the pure air acting as preservative at a proper temperature, for the voyage, however long it may be.—St. Louis Globe-Democrat.

Flows with Honey.

In Palestine, "the land flowing with milk and honey," wild bees are very numerous, especially in the wilderness of Judea, and the selling of their produce, obtained from crevices in rocks, hollows in trees and elsewhere, with many of the inhabitants, a means of subsistence. Commenting in 1 Sam. 14:26, Mr. Roberts, in his Oriental Illustrations, remarks that in the east "the forests literally flow with honey." Large combs may be seen hanging on the trees, as you pass long, full of honey."

A New Cuban Stamp.

There has been a great demand among Spanish stamp collectors for the latest Cuban stamp, which has the head of Alfonso XIII. and is worth seven centavos.

IN A HOLE.

FIRST DREDGE INVENTED.

And How He Got In, But Not How He Got Out.

"Talk about being in 'the hole,'" said Oliver Preston, "why, you fellows don't know what it is to be really and actually 'in the hole.'" His auditors, who were lamenting their depression from a burden of cigar and laundry bills, asked him to explain an easy method of getting out of the hole.

"I'll first tell you how I happened to get in the hole, and you will have to go through just what I did before you'll know how to get out—if you ever do get out," said Oliver. "You heard about my strike up near the head of Ross Fork, didn't you, and how to get into that country? Well, I started from the burg a few weeks ago for my camp back in the mountains. I had no difficulty in reaching the gulch, but when I got there I couldn't see my cabin, prospect hole or even a tree, so deep was the snow.

wandered about on my snowshoes for a long time until I came to a spot where I thought my cabin stood. I took off my shoes, those web Canadian affairs, and began to dig in the snow, using a shoe for a shovel. I bored down about 15 feet, shoveling the snow out by means of benches about four feet apart, shoveling from one to another, until I managed in making a pretty respectable looking developed shaft. There I struck a couple of poles lying horizontally, and I supposed they were the ridge poles of my cabin. I jumped up on the first bench, set down, filled my pipe and smoked, all the while planning in my mind how to make a hole in the roof without tearing away too much of it. An idea struck me. I poked my pipe in my jeans and jumped down to the bottom of my shaft—I say I jumped to the bottom of my shaft, for lo and behold, I was in the bottom of my shaft—right in the sum of a 15-foot prospect hole that I had sunk near my cabin last fall. I had abandoned it and thrown a few poles across it. I had forgotten all about the hole. Now, get into the hole just as I did and you'll know how it feels to be in the hole. You fellows aren't in the hole—you only think you are."

An old friend of Oliver's came along and they all walked over across the street and the young men lost sight of Preston in the rush of a busy Saturday night, so the desired information wasn't obtained. However, Oliver Hazard Perry Preston is evidently out of the hole, but no one knows better than he how he got out. —Anacoma (Mont.) Standard.

SYMPATHY OF BIRDS.

Three Canaries Pine Away After the Death of Their Mistress.

The last scene of a pathetic little drama and tragedy, in which canary birds were conspicuous actors, has just been enacted, and a little girl and three canaries are under the sod in one grave at Elbert, Ind. Some time ago Minnie Fay, a charming little girl, died. She had been sick for some time, and death came as a relief. During her long sickness her most intimate friends had been three canary birds, which occupied a cage just over her bed where she could see them.

They then sung to her their best songs, and there she watched them with the kindest devotion. As she became weaker and weaker the birds seemed to notice that something momentous was at hand. As she neared death she became very nervous, and the little songs of her canaries, instead of pleasing her, annoyed her. At last one day she became very nervous, and when the birds began to sing, she interrupted them by exclaiming, nervously: "Oh, hush, Dick." The birds seemed to understand either the look, tone or words of their mistress and immediately stopped. The little girl died the next day.

Either the harsh command or the loss of their mistress affected them so seriously that Dick died three days later, a week later another died and a few days later the last one dropped from his perch and was dead the next morning when found. They had hardly touched food since the command to stop singing. They were laid to rest in little graves made on top of the mound. There always seemed to be the very closest bond between the birds and the invalid, and all think that the birds understood her command and that it caused their death.—Hartford Times.

PACKING COTTON.

New Cylindrical Bales Resist Destructive Work of Flames.

The new method of cotton packing closely compact cylindrical bales taking the place of the ordinary form will, it is thought, become in time one of general adoption. It has been demonstrated by repeated showings that cotton can be put up in cylindrical bales in so dense a form as to render it a practical impossibility to burn it; the surface can be scorched, but beyond this, through the absence of the needed oxygen, fire will not penetrate. Under the ordinary system of packing, notwithstanding the bales are compressed, sufficient oxygen is still retained in and through them to give vitality to a fire. Thus, a spark from a cigar, a match, or a smokestack may fall upon a bale of cotton during the process of packing or shipping and work its way down toward the interior of the package, and, though it may be weeks before any evidence of its presence is felt, it sometimes finds its way at the end of that time, and with greatly added vigor, to the surface of the bale, disastrous consequences perhaps ensuing. This is a liability which the process of cylindrical baling must, if declared, entirely obviate; and, further, the cotton fiber is not torn, as it is under present management in baling and covering, while, in the important matter of shipment, the space required for carrying a given quantity of cotton can be materially reduced.

—N. Y. Sun.

His Family Tree.

He had been boasting of his family tree, and Miss Cayenne interrupted with the inquiry:

"Isn't it something like the orchid?"

"In what respect?"

"All branches and no roots."—Washington Star.

Generally the Way.

If you hate a thing others admire they will say you lack "balance."—Atchison Globe.

Discourages Lynching.

Robert L. Smith, of Oakland, Tex., says that there has not been a lynching in the state since the law passed disqualifying perpetually any sheriff, deputy, constable, policeman, or jailer who permits a prisoner to be taken out of his custody by a mob.

Bulletin Financier.

Bulletin Commercial.

Jeudi, 12 mai 1898.

COMPTOIR D'ÉCHANGES (CLEARING-HOUSE) DE LA NOUVELLE-ORLEANS.

Jusqu'à cette semaine... \$5,892,830 00  
Même temps la dernière... 5,896,812 00  
Même... 5,731,115 00

MARCHÉ MONÉTAIRE.

Nouvelles-Orléans—  
Papier exceptionnel... 7  
de l'A. 1... 2  
Papier sur grande émission... 4  
do... 4  
Papier hypothécaire... 7

MARCHÉ AMÉRICAIN ET ÉTRANGER  
et Millions de Dollars.

MONNAIE.

Souveraine Victoria... \$4,800 450  
Doublet Victoria... 15,409 150  
Doublet espagnols... 84 70  
Or étranger américain... 97 075  
Argent unis des Amériques... 52 654  
Dollar mexicain... 44  
Sols privés... 42  
Argent britannique... 64 620  
Billets de la Banque d'Angleterre... 8 800 450  
Billets de la Banque de France... 18% 19%  
LONDRES.

PARIS—Banque d'Angleterre 4 00.  
Jours pour l'argent 110 15/16.  
Par compte 111 1/4.  
PARIS.

PARIS 102 85.

ARGENT EN LINGOTS (PAR OUNZE)—  
London 26 7/16.  
New-York 58 4 857.

CHANGE.

LE STEELING est stable.

Commercial (60 jours)... 450 4 631  
Taux à 3 mois... 455 4

Les FRANCS sont stables.

Taux de commerce (60 jours)... 5,25  
Taux de banques (à vue)... 5,184

LE CHANGE à VUE SUR NEW-YORK

est stable.

Taux de commerce 25c de prime.

Taux de banques \$1 00 de prime.

TRADES ET COMMERCES.

Actions NY Stock Exchange.

Valeur Offre Demande

Marques.

Canal & Banking Co... 100 120

Germania... 100 ... 90

Germania Savings... 100 840 500

Hibernia National... 100 125

Metropolitan... 100 127

H. O. National... 100 560

Pennsylvania Savings... 100 37 38

State National... 100 ... 88

Teuks... 100 ... 95

United States Savings... 100 ... 95

Whitney National... 100 ... 95

COMPAGNIES CANADIENNES.

François... 50 ... 84

Germania Life Ins Co... 100 70 80

Hibernia Ins... 100 107 4

Home Ins... 100 ... 75

Lafayette... 50 ... 92

Life & Casualty Co... 100 ... 11

N. O. Ins. Ass... 100 ... 100

Mechanics and Traders... 100 ... 100

Standard Life Ass... 100 ... 107

Teachers... 100 135 ... 56 5

ASSOCIATIONS.

Canadian Pac. Ry... 100 ... 126

Canaian Natl. Ry... 100 ... 35

Canadian Pacific Ry... 100 ... 164

Canadian Natl. Ry... 100 ... 164

Canadian Natl. Ry... 100 ... 174

St. Charles Street... 50 ... 53

Actions diverses.

O. O. Slingshotter... 50 29 35

Jackson's... 100 122

Frances City Gas Light... 100 ... 40

M. O. Brewing Ass... 100 21 25

O. O. Gas Light Co... 100 110 114

O. O. Land Co... 100 ... 100

O. O. Land Co... 100 ... 100

Algiers W. & E. Elec Co... 100

Otto's Exchange Stock... 100

First Bond & Warehouse... 100

Interstate Trans. Co... 100

Varie. Theatre... 100

Moohr's... 100 125

Standard Oil Co... 100 ... 100

Standard Oil Co... 100 125

Tennessee Electric Light... 100 ... 100

S. J. Martin's Oil Works... 100

S. J. Martin's Oil Works... 100

Standard Mutual Ins. Co... 100 100 107

Teachers... 100 135 ... 56 5

TELEGRAMS.

Carrollton... 100 120

Carrollton... 100 120

Carrollton... 100 120

Carrollton... 100 120</