

TO HEAR HEAT AND COLD

An Ingenious Apparatus to Determine Temperature by Sound.

MAKING A TEST IN THE ARCTIC

Usefulness of Instrument in Hotels, Public Buildings and in War Ship Machinery-Construction and Operation.

It is now possible to hear heat and cold. Dr. George C. Whipple, biologist of Brooklyn, N. Y., has invented an electrical instrument by means of which the various ranges of temperature may be heard in an ordinary telephone receiver.

The apparatus is very simple in construction. In external appearance it is like an ordinary electric battery box, such as is used in sick rooms.

It may seem strange that heat and cold may be heard as well as felt. To be accurate it is the presence of heat or cold acting on the bare coil of wire which causes an electric current to set up a buzzing in the telephone.



ENGINEER NOTING TEMPERATURE OF ROOMS IN MASSACHUSETTS STATE HOUSE BY ELECTRIC THERMOMETER.

mechanical thermometer, is marked with figures representing degrees of temperature above and below zero. Let us suppose, for instance, that we are to listen to the temperature of a coil of wire.

Dr. Whipple tried the instrument the other day in a room, the temperature of which was about sixty degrees. The correspondent placed the telephone to his ear and heard a loud buzzing.

These experiments illustrate the great usefulness of the instrument. It is not necessary that the bare coil mentioned above should be in that precise form.

The instrument is now being used in cold storage warehouses to ascertain the temperature of the various rooms without opening them.

MISERY IN THE KLONDIKE

Paathetic Picture of a Journey of Three Hundred Miles in Midwinter.

PORTLAND MAN'S VIVID STORY OF THE TRIP

H. W. Sheridan Saw Hundreds of Craft Crowded with Starving Men All Trying to Reach Fort Yukon Before the River Closed.

H. W. Sheridan, a Portland man, contributes a description of the journey he made with three thousand men down the Yukon river in search of food and life.

The writer of 1897 and 1898 will mark an epoch in the history of the Yukon basin, he says. The stories of the fabulous richness of her mines had set the outside world in a fever of excitement.

These thousands of men, coming, as they did, almost without any preparation or provisions to sustain them through the long Arctic winter, and wholly without experience, found themselves at Dawson in the beginning of winter without food and with none to be had within 400 miles.

Food Supply Very Low.

As soon as those that were unprovided with a winter's outfit of food fully understood that their only hope was to reach Fort Yukon, the stampede became almost a panic.

STRANGER THAN FICTION.

A Horse that Was Swallowed Alive by a Hair from Its Own Tail.

From the southern home of Senator Quay comes the following letter to the Baltimore American from a veracious correspondent:

These experiments illustrate the great usefulness of the instrument. It is not necessary that the bare coil mentioned above should be in that precise form.

THE MEN, MAKING THEIR WAY A COMMON ONE, SENT SOME FORWARD TO THE FORT.

Advised, assisted and instructed those that were left behind in the art of making ice sleighs.

CUBA, THE LAND OF MUSIC.

Remarkable Talent There that Has Overlooked.

Now is a good time to let everybody know what a music loving people the Cubans are and how much may be expected of their talent in that direction when they shall have all the conveniences of a city.

Leaving aside these characteristics of the country there have been remarkable musicians of all kinds that might rank with the best in any country.

FACED DEATH ON A TRIP.

Thrilling Experience of a Mother and Daughter Near St. Louis.

In the center of a long and high trestle, with a mail train bearing down upon them with frightful speed, the mother and daughter were driven in a wagon.

THIRTY-TWO VIEWS NOW READY.

The following views have been issued:

- 1-Opening Day, June 1, 1898. 2-Northeast Corner of Court. 3-Government Building. 4-Main Entrance Agricultural Building. 5-Scene in Streets of All Nations. 6-Grand Court, Looking West. 7-Hagenback's on Children's day. 8-Grand Court, Looking South-west. 9-Fine Arts Building. 10-Nebraska Building. 11-Grand Court, Looking East. 12-Section of Fine Arts Bldg. 13-Grand Court at Night. 14-Main Entrance Horticultural Building. 15-Scene on North Midway. 16-Marine Band at Grand Plaza.

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Thirty-Two with a Portfolio for \$1.00.

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Photogravure Department

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"No use for a duster—there's no dust on Battle-Ax PLUG. It sells too fast!"

Every dealer who has handled Battle Ax knows this to be a fact. There is no old stock of Battle Ax anywhere—nothing but fresh goods, as Battle Ax sells five times more than any other brand in the world.

All who chew it never change.

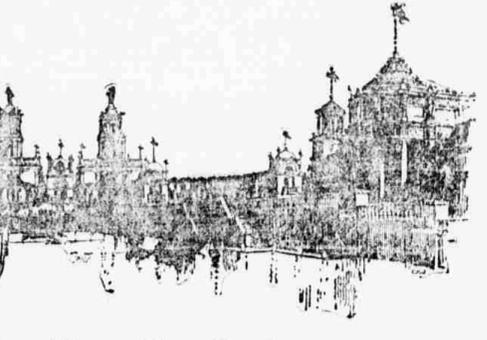
Remember the name when you buy again.

MANHOOD RESTORED "CUPIDERE" advertisement with small portrait and text describing the medicine's benefits for various ailments.

Second Series

Photogravures of the Exposition Now Ready.

Some day it will be pleasing to remember the simple, classic beauty of the Grand Court, the Plaza with its music, the broad vista of the Bluff Tract and the hubbub and gaiety of the Midway.



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