







MARKING ICE.

The speedy erection of an Ice Factory in Hagerstown has put our people generally upon the inquiry as to the methods of making ice.

The practical application of the principle of chemistry involved is comparatively new although the principle is old.

It is of course well known that cold is merely a negative condition produced by the absence of heat. The principle of ice making consists therefore in an appliance for absorbing the heat from the water which it is designed to freeze.

The heat absorbing substance used is aqua ammonia. This liquid is mixed with 26 per cent. of water and the whole contained in a strong retort and the mixture is heated by means of steam pipes which coil through the retort and are surrounded by the liquid.

The heat converts the ammonia into gas. This gas goes into another retort where it is subjected to the pressure of 200 pounds to the square inch. This pressure liquefies the gas or changes it back into aqua ammonia, but the pressure and the change has deprived it of its heat and left it intensely cold.

The refrigerating room is protected from the outside atmosphere by double walls and packing like an ordinary refrigerator. In this apartment are the large vats through which coils of pipe run and which contain brine. In this brine are suspended the galvanized iron cans in which the ice is made.

The water converted into ice is distilled, not only to secure absolute purity but because natural water would be filled with air bubbles and would not make solid ice. The distilled water begins to freeze where it is nearest the brine and the air bubble is always in the centre.

The cans of ice are immersed in warm water for a moment to free the sides and then emptied. The blocks are of different sizes in various factories but the common size is 4 feet long by 8 inches wide and 16 inches deep.

It is well established that freezing does not destroy disease germs in water and therefore the absolute purity of the distilled water used by the ice factories is not the least of its merits.

The fibre of silk is the longest continuous fibre known. An ordinary cocoon of a well-fed silkworm will often reel one thousand yards, and accounts are given of a cocoon yielding one thousand two hundred and ninety-five yards, or a fibre nearly three-quarters of a mile in length.

A typically ignorant jurymen has been found in Iowa. He could name only eight States of the Union and three Presidents. He was firmly of the opinion that England is in Africa, and that Canada is "out somewhere beyond California."

"Tommy," said a mother to her seven-year old boy, "you must not interrupt me when I am talking to ladies. You must wait till westop, and then you can talk." "But you never stop!" retorted the unfortunate boy.

The showman Forepaugh never smoked. And there are lots of men who never indulged in the menagerie business.

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See that chubby man, ever against the desk, queried a friend in the Palmer House rotunda. "Well, he enjoys a joke better than any man I know, and he will do more work on the ground plan of a funnyism than anybody. He lives up in St. Paul, but he knows everybody down here and runs down to brush against metropolitanism every little bit. The last time he was here he learned that Potter Palmer was in Europe, and his humorous bent broke out in this fashion: The first morning at breakfast he looked the bill of fare over and ordered mackerel. The next morning he did the same, also the third and fourth. It was always just mackerel, no variation and no trimmings, only a frugal, simple repast. It became noticeable to the waiter, and on the fifth morning when the mackerel order had been given, the waiter remarked: "Peers to me, sah, youse mighty fond o' mak'el, sah."

"No," says the St. Paul man; "fact is, I don't like it much." "Whaffo' yo' eatin' it all the time, then?" asked the sympathetic darkey, who had become friendly and confidential by reason of various tips. "Well, you see," said the joker, "Palmer is chasing around in Europe spending a heap of money, and I s'pose somebody's got to pay for it. Just bring me the mackerel." Chicago Mail.

Another small story to prove the eminent desirability of fathers abstaining from expletives in the hearing of their children: A little boy of four years has for some time had a habit, very trying to his mother, of waking about midnight and calling for a drink of water. At last his mother told him one evening as he was put to bed that she should not get up any more to wait upon him; that she would put a pitcher of water and a glass on the stand near the bed and that if he wanted water in the night he must get it himself. She placed the water on the stand in his sight and left him.

That night, at the usual time, she heard the boy's call: "I want a d'ink o' water! I want a d'ink o' water!" But she paid no attention. He called two or three times, and after he had whimpered a bit, she heard him get up and thump along the floor to the stand. And then through the darkness came this very positive ejaculation: "I hope I thpille every jam jom!" Boston Courier.

A good story is told on Bishop Grafton, of the diocese of Fond du Lac. One of his first visitations was at Waupun, where there has been much church dissension in the past, and while there he was the guest of Mrs. Webster. After the prelate retired, he was annoyed by a mouse in the room. He did not lie awake and wonder what could be done to abate it. He quietly arose, took the remains of a lunch which he had been enjoying, placed it on top of a wash-bowl, filled the bowl half full of water, leaned a photograph from the table to the edge of the bowl so as to give the mouse a run-way, then calmly went back to bed. In a few moments he heard the pattering of the mouse's feet on the photograph, a splash, a few struggles and all was quiet. Then the worthy Bishop turned over and slept the sleep of the just. As Mrs. Webster remarked the next morning: "Bishop Grafton will find no difficulty in governing the diocese if he can so easily handle a mouse." Appleton Post.

SANDY soils produce earlier berries than clay, and southern slopes earlier than northern exposures. Mulched berries ripen later than those unmulched. If one has sandy soils to deal with he may retard the season of ripening by applying straw to part of the bed for late berries, leaving the other part uncovered for an early crop. If the soil be clay, it should always be given winter protection to prevent heaving of the plants by alternate freezing and thawing in spring. The part designed for early fruit may have the straw removed early, substituting a mulch of horse manure, which, on account of its warm nature, hastens the time of ripening. American Farmer.

WHERE there is no increase of moral excellence there is always danger of decrease. Conscience without fresh stimulants is soon

BROWN'S IRON BITTERS. Cures Indigestion, Biliousness, Dyspepsia, Malaria, Nervousness, and General Debility. Physically Weakness.

Western Maryland Rail Road Schedule table with columns for Stations, Times, and Connections. Includes stations like Williamsport, Hagerstown, and Frederick.

Baltimore and Ohio Rail Road Schedule table with columns for Stations and Times. Includes stations like Baltimore, Annapolis, and Washington.

THE FIFTY CENT ACME WAGON JACK Fills The Bill. Don't use that old board, or that clumsy, complicated old jack, when you can get THE ACME, For 50 Cents. And you can roll your carriage quicker and with less work, than with any other Jack in the world; it is always adjusted for both light and heavy wagons.

Advertisement for 'PEERLESS DYES' featuring an illustration of a woman and text: 'ARE THE BEST FOR BLACK STOCKINGS... 46 Colors SOLD BY DRUGGISTS'

Advertisement for 'RACINE, WIS. THE BEST WAGON' featuring an illustration of a horse-drawn wagon and text: 'BUCKBOARDS, BUGGIES, CARRIAGES... FISH BROS WAGON CO.'

Advertisement for 'H. W. ALLEGER' featuring an illustration of a bicycle and text: 'H. W. ALLEGER, WASHINGTON, N. J. An article needed by every owner of a bicycle.'

Advertisement for 'THE J. W. HOSFORD CO.' featuring an illustration of a typewriter and text: 'INTERNATIONAL TYPEWRITER! A strictly first-class machine. Fully warranted.'

Advertisement for 'THE PARISH MFG. CO.' featuring an illustration of a sewing machine and text: 'FREE STENOGRAPHY and TYPEWRITING... THE PARISH MFG. CO., Paris, N. Y.'

Advertisement for 'A CARD.' featuring an illustration of a person and text: 'To weak nervous and debilitated men suffering from nervous and debilitated men suffering from nervous and debilitated men...'

Advertisement for 'BUCKBOARDS, BUGGIES, CARRIAGES' featuring an illustration of a horse-drawn carriage and text: 'LOG LUMBER YARD & CITY TRUCKS... SPRING WAGONS & ALL STYLES.'

Advertisement for 'DRINK PURE WATER' featuring an illustration of a water purifier and text: 'BUCKET PUMP AND WATER PURIFIER IN YOUR WELLS AND CISTERNS. Warranted to Purify a Foul Well or Cistern in Ten Days Use or Money Refunded.'

Advertisement for 'SCRIBNER'S MAGAZINE' featuring an illustration of the magazine cover and text: 'AN IMPORTANT CLUB OFFER. SCRIBNER'S MAGAZINE. Gives its readers literature of lasting interest and value.'

Advertisement for 'ELMER E. CLINE' featuring an illustration of a large industrial boiler and text: 'ELMER E. CLINE, Manufacturer of Upright, Stationary and Marine ENGINES & BOILERS. From 2 to 20 Horse Power.'

Advertisement for 'The American Agriculturist' featuring an illustration of a man with a hat and text: 'The American Agriculturist is a National Rural Magazine of 48 pages, with cover. A year's volume has not less than 576 pages and over 1,000 illustrations.'

Advertisement for 'PAUL MOTTER' featuring an illustration of a sewing machine and text: 'PAUL MOTTER, Manager Emmitsburg Chronicle. THE LADIES' FAVORITE... THE FINEST WOODWORK & ATTACHMENTS...'