

Art of Canning Food Discovered by Frenchman

Process Makes Fruits and Vegetables of All Districts Available in Every Section of Country.

By FRANK MURPHY.
The art of canning was first discovered about the beginning of the 18th century. At that time, France being at war, noted the great loss through waste and spoilage in the foods used for military purposes.

In order to stimulate action, they offered a bounty of 12,000 francs for a method for the better preservation of foods. Attracted by this offer was Francois Appert, a French scientist, who began experimenting, and finally was successful in canning foods. His method consisted of heating the product and then hermetically sealing the container. He was awarded the prize, and has since been honored as the discoverer of the art of canning.

There is nothing secret in the process of canning. The discoverer ascribed to the exclusion of outside air, after applying sufficient heat to the food, its keeping quality. It is only a few years since the application of the science of bacteriology to canning has shown the real reason for its keeping quality. It is now known that all foods, water, air and the containers are bearers of bacteria and other micro-organisms, and that the effect of heat is to destroy them, and that the hermetic container merely excludes those from without.

This science has also shown that organisms are not destroyed at the same temperature—that some possess greater resistance. This explains why some products need a very high temperature, while others need a comparatively light one.

Chemicals Prohibited.
Through the art of canning, the fruits of the tropics can be laid on the tables of the Eskimo in the north, while salmon from the Arctic circle can be placed on the tables at the equator. A modern cannery is as sanitary as a dairy woman's kitchen. It is kept immaculately clean through the use of heat, water and live steam.

Mechanical devices developed with the industry to such an extent that there is a machine for practically every process in the handling and preparing of every kind of food today. There is nothing in the way of preservatives used in the canning of foods; they are preserved by the great natural sterilizer—heat. The use of chemical preservatives is illegal, and is prohibited by most federal and state laws.

It is estimated that the total output of canned foods in this country has now reached the enormous figure of 5,000,000,000 cans a year. A few years ago you had fresh fruits and vegetables only in season. When you obtained them from your own garden or orchard, you had sea foods only when you went to the seacoast. Today there are 125 different food products preserved in safe containers for your immediate use in any and all seasons.

Canned products represent nearly every state and section of the country—from sunny Florida to the icy waters of the Alaskan coast.

No Waste.
In most cases it is not a case of bringing the products to the cannery; they bring the cannery to the products, and locate it very close to the growing fields. The raw products are prepared and hermetically sealed within a few hours after they reach a ripe condition in the field. There is no waste in canned foods, as the products have already been sorted, or peeled, as the case may be.

The wonderful development of mechanical appliances has brought these goods within the reach of even the humblest homes. For instance, one man yesterday would be able to make by hand 60 cans a day, and today machinery turns out cans at the rate of over 1,000 a minute.

No diet is wholesome which lacks variety, and canning has done a great service in making it possible to vary the diet the year round. The perfection of mechanical devices has developed so that the products are not touched by hand from the time of delivery to the cannery to the time they are sealed in the can. This has reduced to a minimum the possibility of contamination, and has preserved to the greatest possible extent the natural flavor so much desired.

No less an authority than Sir William Wilcox, medical adviser to the British home offices, has pronounced canned foods to be perfectly safe in every way. Sir William Wilcox had charge of the food supply for the British army during the war, and he says that it was the greatest experiment in history.

Record in California.
The state of California has a wonderful record for the canning of various items. The first of California's fruits came with the padres, who converted the virgin valleys into gardens where peaches, pears, and other fruits grew luxuriously. In fact, these primitive plantings may be considered the forerunner of the now famous fruits of California. Fruit canning in California began about 60 years ago, but only during the last 20 years has it attained its present greatness, and it still promises more wonderful developments.

In 1863 the total pack of canned foods in California was estimated at 7,000 cases, and those engaged in the business labored under incessant difficulties. All cans were made by hand, and in the handling, preparing and processing automatic machinery was unknown. At that time canned peaches and pears sold as high as 75¢ per dozen. In No. 2 1-2 cans California ranks first in the union in the yearly output of canned fruits. In fact, the total annual pack equals, in fact, the total of all other states combined. From a pack of 7,000 cases of canned fruits and vegetables in 1863, the industry in this state has grown to an annual pack of 5,000,000,000 cans.

Fish Canning Increases.
The sister states of Oregon and Washington are becoming quite a factor in the canning industry. Time

Children Learn by "Playing Teacher"



Socialized recitation is one of the comparatively new features of modern public education. It is a departure from the old idea that a school room is a place where a teacher measures out certain portions of knowledge every day and requires boys and girls to absorb this information, whether they understand it or not.

Modern public school education is endeavoring to consider each boy and girl as a social being, with varied abilities and disabilities. Standards have been adopted for determining the mental age of a child irrespective of the age in years. Celebrated rooms have been established for children whose progress is exceptional and other rooms are maintained for backward children.

The socialized recitation is part of an effort to make the day's work in the school room something more than a dry, routine affair.

Stimulates Initiative.
"It stimulates the child's initiative and it gives the child an opportunity to bring out its individuality," said J. L. McCrory, one of the assistant superintendents of the Omaha schools. Mr. McCrory explained that the success of socialized recitation de-

pends on the teacher; she must have the vision to get the real purpose of this educational feature.

At Walnut Hill school this type of recitation is being given serious consideration. Its application is different in the various grades and its use is not based on any fixed schedule. Edna Mann, first grade teacher at Walnut Hill, takes a keen interest in the socialized recitation which lends itself to the interest small children take in "playing school."

Even Have Superintendent.
The children are divided into groups of three or four each, one in each group taking the part of a teacher. In the group shown in the illustration, Ada Jane Kinsel is the little teacher and the pupils are Halcyon Henshaw, Forest Linbaugh and Betty Henske. The little man standing by is Robert Lowry, who is a make-believe superintendent of schools for the occasion. A few days ago, when Miss Mann was conducting one of her socialized recitations and had the groups all arranged, Robert Lowry came to her and whispered, "May I be the superintendent?" Instantly the teacher read a

cross-section of the boy's mind. She told him he could be the superintendent and gave him carte blanche.

It was a new idea and it was Robert's own idea. The boy had no misgivings over his ability to hold the job. He went from group to group and supervised the little teachers. He admonished one girl-teacher to speak softly and at another group he directed the pupils to raise their hands when they wanted to address the teacher or one of the pupils. This room has a collection of toy animals which are used in socialized recitations. The tortoise and the hare are brought out and someone is asked to tell the story of the fable or a story of their own.

Promotes Confidence.
"The socialized recitation promotes confidence among the children," said Miss Marie Wetzel, principal at Walnut Hill school.

As the idea is carried into the higher grades, the subject matter becomes correspondingly more advanced. The pupil activity becomes more original and interesting. In the eighth grade the boys and girls occasionally enter into spirited discussions, with the teacher always exercising a general supervision.

Fights Divorce Suit Before London Jury

The Hon. J. H. Russell unsuccessfully tried to prove his wife unfaithful before a London jury.

Rum Runners Again Active Off North Jersey Coast

Highlands, N. J., March 3.—(P)—Resumption of heavy rum running operations off the northern New Jersey coast was indicated yesterday with reappearance on Rum Row of a formidable fleet.

Police Guard Windows at "Diamond Shoppe" Opening

Special police were detailed to guard the window display of "Ye Diamond Shoppe" at 1508 Douglas street, which opened its doors for the first time Saturday morning. Thousands of dollars worth of diamonds and other jewels were on exhibit in the show window.

Lenten Services Are Held at St. Mary Magdalenes

Lenten services are being held at St. Mary Magdalenes church, Nineteenth and Dodge streets, every week day for Lent, at noon.

Man Who Murdered His Wife Given Indeterminate Term

San Francisco, March 3.—Elmer Bannan, 33, a sheet metal worker, who pleaded guilty to the murder of his wife, Mrs. Margaret Bannan, was sentenced to an indeterminate term of from 10 years to life.

Earth Shocks Recorded.
Victoria, B. C., March 3.—An earthquake of moderate intensity, commencing at a distance of approximately 3,000 miles, probably in the neighborhood of Kamchatka peninsula, Siberia, was recorded on the seismograph at Gonzales Heights observatory here yesterday. The shocks commenced at 9:26 a. m. and continued for several hours.

Drunk Telephone Goes on Rampage; to Spend Life in Jail

This is a mystery story. It centers around the constant ringing of the telephone in the office of Dennis O'Brien, city prosecutor, on the third floor of the municipal court building Saturday morning.

Tomato Comes Into Own.
The lowly tomato is at last coming into its own. No less an authority than Dr. G. W. Wagner of Chicago, captain in the medical corps of the United States army, claims tomatoes to be one of the most valuable foods grown. Tomatoes are the richest of all foods in the vitamins, which are the most wonderful and effective blood cleansers of all foods.

Plea for Creighton to Be Made in Churches of City

Every Catholic church in the Omaha diocese will hear a plea for the Creighton building and endowment campaign this morning. Every Catholic priest in the diocese has agreed to make mention of the campaign during his sermon today.

ADVERTISEMENTS.

A Genuine Pimple Remover

How Stuart's Calcium Wafers Work Out to the Skin and Clear It of Pimples, Blackheads, Boils, Muddiness and Such Blemishes.

Blankets

Why wait until next fall to buy Blankets. Why not take advantage of these prices which are one-half the regular price.

Washing Machines

Our Happy Day Electric Washers will save their price in laundry bills in a short time. They are the most economical, easiest working and do the work better than any machine made. Prices—\$59.75, \$78.75 to \$115.00. We're a few Hand Power Machines taken in exchange at \$3.75, \$5.75, \$6.50, \$8.00 and \$10.00.

Phonographs

This is your opportunity to buy that phonograph at a remarkably low price, either new or exchanged.

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It Pays to Read Bowen's Ads at All Times

FREE! FREE!

THURSDAY, MARCH 29TH AT 8 P. M. We will give away FREE an Eight-Piece Walnut Dining Room Suite and 42 other useful household articles. Come in and register. No purchase required.

EXCHANGE

Notwithstanding the big reduction in prices, we will exchange your old furniture for new and allow you what you think is right for the new. We have many bargains in our Exchange Department.

How Stuart's Calcium Wafers Work Out to the Skin and Clear It of Pimples, Blackheads, Boils, Muddiness and Such Blemishes.

The manner in which Stuart's Calcium Wafers influence a beautiful complexion is one of nature's marvels. Their first action is to remove the sour fermentations that are apt to poison the blood and thus disfigure the skin. Then the calcium itself is a natural agency to skin health and is appropriated by the tissues for its own particular use in repair work. These effects are visibly noticeable to those troubled with a pimply skin, or one that is muddy or red or blotchy, oily and rough and coarse. The Calcium Wafers induce a reaction to healthier tendencies and soon the pinkish complexion begins to assert itself, the blemishes fade away, the dimples seem animated and the entire appearance is one of vivacious beauty instead of unattractiveness.

Get a 40-cent box of Stuart's Calcium Wafers at the nearest drug store and note the wonderful results. You will surely be delighted.

High Grade Home-Furnishings at Big Savings

Wonderful Values To Be Had In Rugs and Draperies

Plan your drapery work now for spring while you can buy at these exceptionally low prices. As the season advances prices will be much higher and particularly so on materials bought at the new high prices. You can save one-half on many items while on others you can save as much as three-fourths and more. The list given here is only a very small part of the many bargains to be had.

Rugs and Floor Coverings Underpriced

This is your opportunity to buy your rugs for spring at prices much less than you'll be obliged to pay elsewhere.

SEWING MACHINES

Buy a new Eldredge Two-Spool Machine to do your spring sewing with and you'll wonder why you ever bothered with filling bobbins the old way.

BLANKETS

Why wait until next fall to buy Blankets. Why not take advantage of these prices which are one-half the regular price.

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PHONOGRAPHS

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THE VALUE GIVING STORE

\$250,000.00

STOCK OF Furniture, Rugs, Draperies Stoves, Washing Machines Sewing Machines and Phonographs

Selling at 33 1/3% to 50% Discounts

Being compelled to seek a new location, we are forced to sacrifice profits on our stocks of merchandise in order to reduce to a minimum so that when we find a suitable building and location we will have less stock to move. This sale comes at a time when the thrifty buyer appreciates more the advantages of buying at these big savings, than at any time in years. Wholesale prices in all lines of home-furnishings have advanced from 10% to 15%, and in some instances more, though our discounts are from the low purchase price of 1922, and as can readily be seen, make the saving even greater than the discounts shown on our plain figure price sale tickets.

TERMS—In order to further assist in reducing our stock we will grant easy terms on any purchase made. You can buy what you want, have it delivered to your home, and pay in a manner most suitable to you and have the use of your Furniture, Rugs, and Draperies while you are paying for them—Also making big savings at the sale price.

- \$12.50 Full size Vernis Martin Two-inch Continuous Simmons Beds \$6.95
- \$11.00 Simmons Sanitary Springs \$7.50
- \$12.50 All-Cotton Filled Mattresses \$8.95
- \$52.50 Walnut Dressers \$29.75
- \$72.50 Ivory Vanity Dressers \$39.75
- \$35.00 Walnut Finished Chifforettes \$17.85
- \$32.50 Golden or Fumed Oak Round Dining Tables \$16.50
- \$35.00 Golden Oak Buffets \$19.75
- \$32.50 Golden or Fumed Oak Library Tables \$16.75
- \$16.00 Mahogany Arm Rockers \$9.75
- \$35.00 Genuine Leather Golden Oak Rockers \$21.50
- \$49.50 Mahogany Finish 10x45-Inch Top Living Room Table for \$24.00
- \$59.50 Combination Mahogany Davenport Table \$26.25
- \$79.75 Mahogany and Cane Arm Chairs \$47.50
- \$17.50 Tapestry Overstuffed Wing Rocker \$43.50
- \$247.50 3-Piece Mahogany and Cane Loose Spring Filled Cushion Living Room Suite \$149.50
- \$320.00 3-Piece Tapestry Overstuffed Living Room Suite for \$175.00
- \$695.00 Overstuffed Brown Mohair Living Room Suite for \$252.00
- \$195.00 Walnut Finish 8-Piece Queen Anne Dining Room Suite for \$127.50
- \$475.00 Walnut 8-Piece Tudor Dining Room Suite \$285.00
- \$78.00 Walnut 8-Piece Chippendale Dining Room Suite for \$445.00
- \$137.50 Walnut 3-Piece Bedroom Suite \$89.75
- \$275.00 Walnut 4-Piece Bedroom Suite \$147.50
- \$465.00 Mahogany 4-Piece Vanity Bedroom Suite \$285.00
- \$575.00 Mahogany 4-Piece Semi-Vanity Bedroom Suite for \$317.50

If You Do Not See in This Advertisement the Item You Are in Need of, You'll Find it on Our Floors at a Bargain Price.

SEWING MACHINES

Buy a new Eldredge Two-Spool Machine to do your spring sewing with and you'll wonder why you ever bothered with filling bobbins the old way.

- \$65.00 New Eldredge Two-Spool Machine \$45.00
- \$85.00 New Eldredge Two-Spool Machine \$55.00

Used Machines of all makes taken in exchange setting for \$2.50, \$5.00, \$8.00, \$10.00 and up

BLANKETS

Why wait until next fall to buy Blankets. Why not take advantage of these prices which are one-half the regular price.

- \$5.00 Wolverine Blankets \$1.95
- \$6.50 Wolverine Blankets \$2.95
- \$8.00 Wolverine Blankets \$3.95
- \$14.50 All-Wool Blankets \$7.50
- \$16.50 All-Wool Blankets \$8.50
- \$18.50 All-Wool Blankets \$9.75

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