

PORCELAIN AIDS MAKING OF "SILK"

GOLD NOZZLES UTILIZED

Artificial Substitute for Product of Silk Worm Made in Germany By New Process

For some time now a factory in Thuringia, Germany, has been producing in collaboration with the Zeiss optical works in Jena, porcelain nozzles suitable for artificial silk spinning machines, says a dispatch to the Christian Science Monitor. Through these nozzles, which are perforated by a number of holes corresponding to the desired number of filaments in the ultimate thread, the cellulose solution passes into the coagulation medium.

Operation Described
On issuing from the orifices of the submerged nozzles in the form of reats with the spinning bath and continuous streams the cellulose immediately changes into filaments, which are then twisted to give a useful textile thread. The holes of the nozzles must be most accurately drilled as the quality of the thread depends on their accuracy, while the nozzles themselves must be made of a material which can be submerged in a solution of which sulphuric acid is the main component. Gold and platinum, or a combination of both, have hitherto been bound as the only materials which would meet these requirements.

High Priced Nozzles
The high price of these nozzles naturally adds to the cost of production of artificial silk, especially as different kinds of nozzles are needed which vary in the number and the diameter of the holes in producing different grades of silk. Attempts have been made to use glass instead of gold or platinum. Glass, however, has two disadvantages: it is too fragile, and its chemical qualities are affected by the solution into which the nozzles are submerged with the result that the rims of the holes chip off, thus changing their diameter and making the production of uniform filaments impossible.

Special Kind of Porcelain
The factory in Thuringia has now produced a special kind of porcelain which is said to meet every requirement. With the help of machinery designed by the Zeiss works, known for their most accurate work, holes are drilled which are the acme of precision. Each hole—and there are sometimes 1000 of a diameter of 18 to 100 millimeters in a single nozzle—is examined through a microscope as to its accuracy. These porcelain nozzles, it is held here, should greatly lower the cost of production of artificial silk.

The plaintive old song relates how "my head is bending low," the author thereof perhaps foresaw, trying to get into a low topped auto while wearing a plug hat.

The Seminole Indians have finally recognized the fact that the United States is a sovereign nation. Well, of course, it's better late than never.

Claimed the politicians are now facing the issues of the presidential election, but a large proportion of them at last accounts were heading in the opposite direction at a high rate of speed.

Christmas Gift Suggestions

- Hand Bags
- Bill Folds
- Cigarette Cases
- Hat Boxes
- Brief Cases
- Fitted Suit Cases

Taylor's
26 E. RANDOLPH ST.
NEW YORK - EST. 1890 - CHICAGO



GRANITE FURNISHED AND ERRECTED BY

J. H. ANDERSON MONUMENT CO.
FINEST DISPLAY OF MEMORIALS IN CHICAGO
5751 RAVENSWOOD AVE.
Phone Ravenswood 3523

HOW MILK IS SENT FROM FARM TO CITY

Modern System of Providing for Lacteal Supply Described In Magazine

Remember, when you were a lad, how you used to take the little tin pail and go over to the Widow Jones' and get a quart of milk, milked warm into the pail—and you'd snitch a swallow or two on the way home?

That, thirty years ago, represented, in its utmost simplicity, milk production, milk distribution and milk consumption. The quart of milk you got represented the supply produced by the cow in excess of the widow's requirements. The widow then knew—and cared—about as much of the cost of production, overhead and depreciation as Bossy herself. The quart of milk you got by the simple process in the tin pail now comes to you in the sanitary glass bottle. But it comes to you by a very much more elaborate route which is something like this:

It is cooled at the farm in cans. The cans are transported by truck to the country receiving station or direct to the glass lined and cooled cars at the railroad station.

Then it goes by rail to the city platform or unloading truck. From there it is transported by truck to the city milk plant where it is tested as to acidity or freshness. It is sampled in the laboratory for butter-fat, sediment or cleanliness. Then it is transferred to the receiving or weighing vat. From there it is pumped to the heater, clarified or filtered, pasteurized in holding tanks at high temperature, thus destroying all pathogenic life.

From here it goes to the cooling machinery, then to the filling or bottling machinery, then it is capped, crated, refrigerated and loaded on wholesale or retail wagons and delivered to you.

It is worthy of note that you pay but a few cents more for your quart of milk than you paid the Widow Jones in those other days. The milk dealer's profit is a very small fraction of a cent per unit of product and it is only because of the unusual turnover that the business becomes a gainful occupation for him.

IMPORTED EGGS ARE CONSIDERABLE ITEM

Eggs have been fairly well standardized and simplified, but there are still important possibilities for stabilizing the inner qualities. Alien eggs could hardly be expected to be as punctilious in meeting our requirements as the domestic product. But the exterior of any egg gives meager direction for placing trust. The taciturnity of eggs is traditional. Give an egg, a bad name and it bears it in silence, but strike it in anger and it will turn on you with all its strength. Even an egg will turn—if you keep it long enough.

That is why, perhaps, that the Department of Commerce in its statistics of eggs, recognizes the eventualities with engaging frankness, and reports "eggs or poultry, in the shell." So it is that foreign eggs come to us with a price on their heads, dead or alive—\$32,899 dozen of them in 1925, valued at \$188,581.

Paris proudly announces that it has just been able to get Schenectady over the radio. That's nothing, we can get her every evening if we want to.

FRED C. BREMER

Carpenter and Builder

Storm Sash and Storm Doors
CABINETS
Jobbing Promptly Done
Shop Phone H.P. 457 Res. 1985
518 Elm Place, Highland Park

Phone Highland Park 854-R

Highland Park Mantel & Tile Co.

(Not Inc.)
Tile Floors, Walls, Ceilings, Fireplaces

James Nielsen

926 LOGAN STREET
Highland Park, Ill.



VICTROLA RECORDS

all the Latest Dance and Song Hits

ORTHOPHONIC VICTROLAS

in various cabinets

MACHINES SOLD ON CASH OR TIME PAYMENTS

Only five minutes from Highland Park on the concrete—
Why go to Chicago for your Records?

KNAAK'S MUSIC STORE

Waukegan Road DEERFIELD, ILL.
Phone Deerfield 1

Christmas Specials

Plum Puddings

Fruit Cakes

Christmas Cookies

Mince Pies

Christmas Boxes and Baskets Packed
Artistically Wrapped Christmas Candies
and Salted Nuts

The Green Tea Pot

23 N. Sheridan Road, Highland Park
MASONIC TEMPLE
Phone H. P. 1617

Children's Dry Cleaning Special 50c

From December 20th to 31st we will Dry Clean and Press any garment for children up to the age of twelve years for

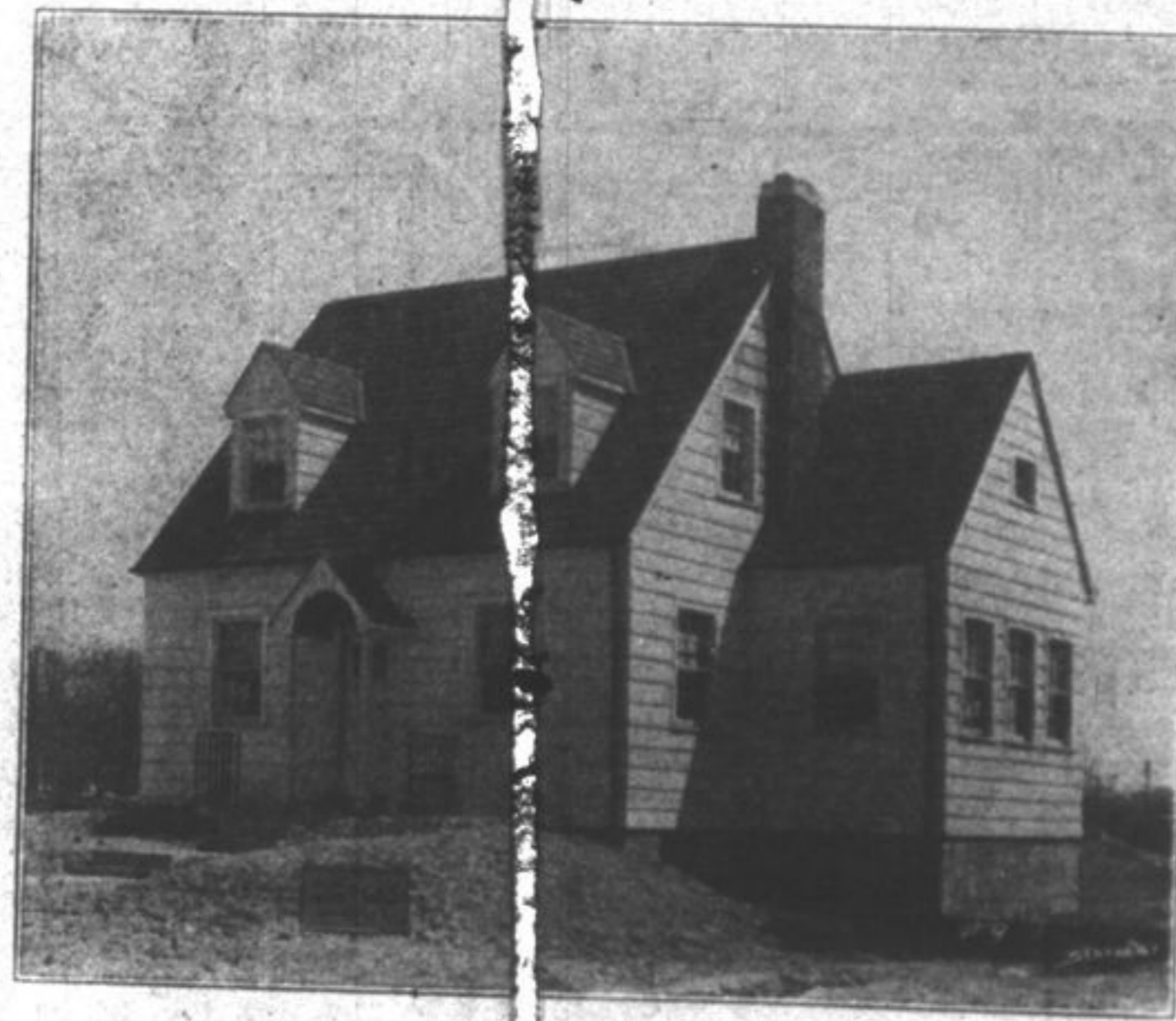
50c

Big drycleaning plants everywhere will specialize this week in refreshing children's garments and getting the Nation's school children ready for a long trip down the winter school road in drycleaned (germ-free) clothing.

A GOOD OLD FASHIONED CHRISTMAS and a New Year with blessings—this is our wish for you and yours.

Duffy & Duffy

CLEANERS and DYERS
Telephone Highland Park 1820 - 1821



One of the Wilcox Special Built Homes

You Can Get Anything You Want If You Want It

Not in a half-hearted way but with all your might.

Every family is entitled to a home of their own.

It gives them a foundation and backbone that nothing else will.

The permanent associations and friendships alone are well worth while but the real security of feeling that you have a home of your own adds to your own pleasure and happiness.

Adds to your interest in the community and the interest of the community in your welfare, too.

Buy a WILCOX SPECIAL-BUILT HOME. Priced well worth the money. Cash or easy terms.

Walter W. Wilcox

Builder of Wilcox Homes

710 Yale Lane

Phone H. P. 2619