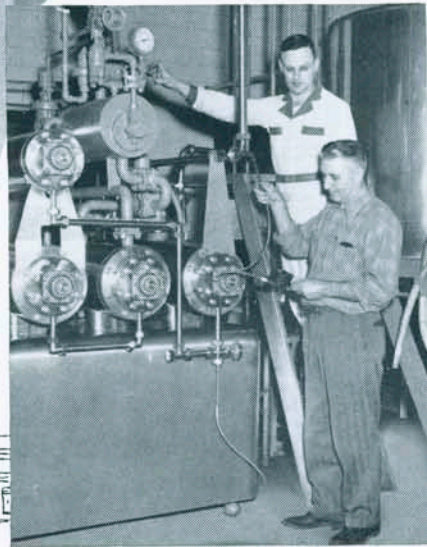
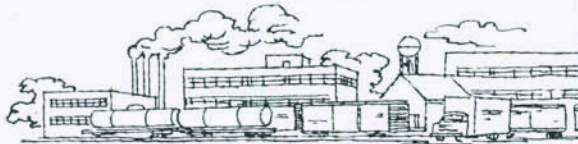


This salad dressing process plant of Durkee Famous Foods Division of the Glidden Company was engineered and built by the Votator Division of Girdler.



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Continuous processing plants for chemical and food products

GIRDLER MANUFACTURES VOTATOR* Heat Transfer Apparatus for continuous heating, cooling, crystallizing, sterilizing and aerating a wide variety of food and chemical products. We take responsibility for design and construction of your process facilities, and turn over to you a plant in operation. When you plan process plant construction or modernization, use Girdler's complete service. Call the nearest Girdler office.

*VOTATOR—Trade Mark Reg. U. S. Pat. Off.

The **GIRDLER** Corporation

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VOTATOR DIVISION: New York, Atlanta, Chicago, San Francisco
GAS PROCESSES DIVISION: New York, Tulsa, San Francisco

In Canada: Girdler Corporation of Canada Limited, Toronto

GIRDLER DESIGNS processes and plants

GIRDLER BUILDS processing plants

GIRDLER MANUFACTURES processing apparatus

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Chemicals	Paper Coating	Shortening
Textile Size	Strained Food	Bakery Ingredients
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Lubricating Grease	Soup	Citrus Concentrates
Paraffin Wax	Margarine	And other Products
Resins	Lard	

GAS PROCESSES DIVISION:

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Hydrogen Production Plants	Sulphur Plants
Hydrogen Cyanide Plants	Acetylene Plants
Synthesis Gas Plants	Ammonium Nitrate Plants
Carbon Dioxide Plants	Hydrogen Chloride Plants
Gas Purification Plants	Catalysts and Activated Carbon

THERMEX DIVISION: HIGH FREQUENCY DIELECTRIC HEATING EQUIPMENT APPLIED TO . . .

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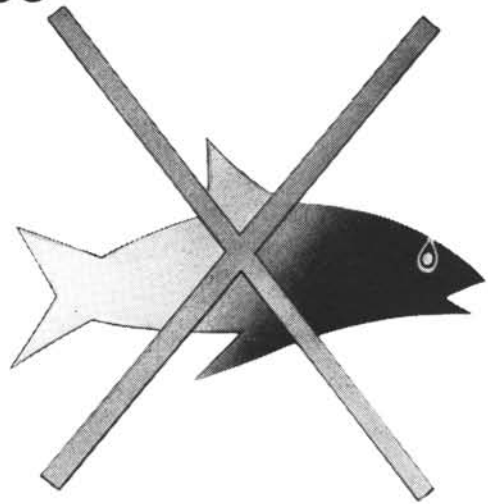
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for foods and pharmaceuticals. A remarkable achievement made possible by the successful synthesis in ROCHE laboratories in 1947.

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...LOW COST

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and it's the most efficient decolorizing agent known!*

Tests prove conclusively that NORIT retains 30% less refined oil, on the average, than other activated carbons! You can reduce your oil retention losses accordingly by using NORIT in the refining of vegetable and animal oils and fats.

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AMERICAN NORIT CO., INC.

PLANT: JACKSONVILLE, FLORIDA



L. A. Salomon & Bro., 216 Pearl Street, New York 38, N. Y.

Oils or fats for these products...



are filtered to perfect clarity...



at greatest speed-with **CELITE**



PRIMARILY to remove all suspended impurities from fats and oils . . . in the shortest possible time . . . leading producers in the Fat and Oil Industry rely on filtration with Celite diatomaceous filter powders.

But take a minute to check these many other benefits which Celite filtration brings to your operation:

PRESS OPERATING COSTS ARE LOWER—Longer filtering cycles and protection of cloths result in lower labor costs. Presses are easily cleaned, since the "cake" readily parts from the cloths. Yields are higher, because presses run longer before cleaning . . . so that costs are proportionally reduced.

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solids. It therefore lasts longer, requires less frequent washings. Thinner and less expensive cloths may be used, too.

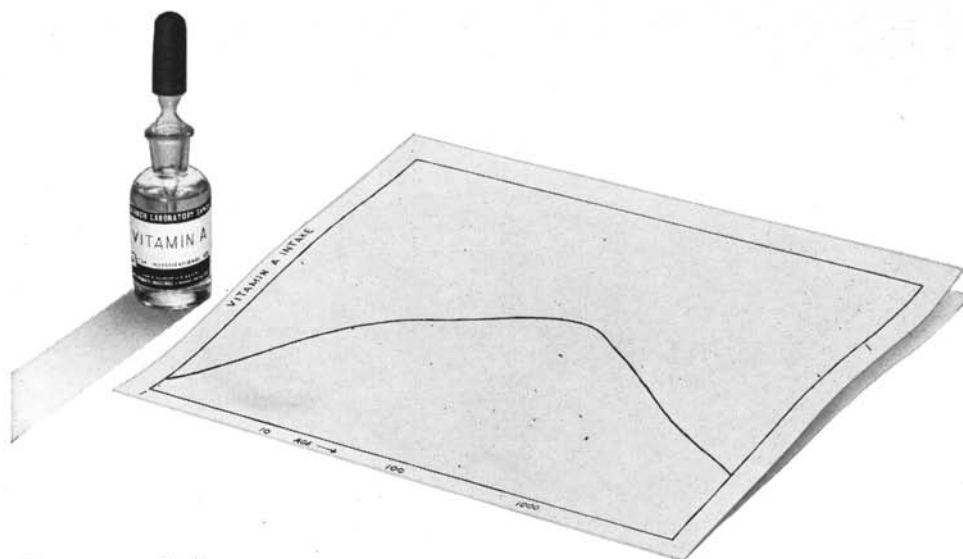
COLOR AND FLAVOR ARE IMPROVED—Wherever the apparent color is due to suspended matter alone, a change to Celite filtration will eliminate the need for bleaching agents. And, because Celite is pure and inert, it will not react chemically with liquids and alter their flavor in any way.

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If you would like a Celite Engineer to make on-the-spot recommendations for use of Celite in your plant to improve your products, speed production, and reduce operating costs . . . drop us a line today. Write to Johns-Manville, Box 60, New York 16, N.Y. In Canada, 199 Bay St., Toronto 1, Ontario



Johns-Manville CELITE® FILTER AIDS



Vitamin A and longevity

There is correlation between longevity and vitamin A intake—at least a correlation that is statistically significant with rats.

With no vitamin A whatever there is trouble. If this were not so, vitamin A would never have been discovered in the first place. At a level of 0.8 U.S.P. units of vitamin A per Calorie of food intake, a rat grows fairly well and shows no signs of xerophthalmia. In fact, one laboratory rat family was reported thriving in the 67th generation at this level, but doubling this level seems to do something for the individual rat, if not for the race. In males it increases the span of life about 5 per cent and in females about 10 per cent.

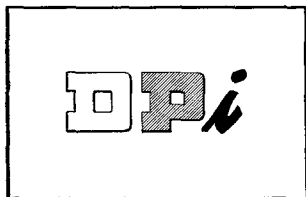
A second doubling stretches the life span another 10 and 12 per cent respectively, and, what's more, in some ways it's a better life. The reproductive life of the female rats is extended more, proportionally, than the

length of life itself.

But, alas, the conclusion that vitamin A must be the elixir sought by the alchemists is unjustified. A maximum in the curve there must be, but it is still a little vague.

Such scientific work we point out for its possible interest to our vitamin A customers in the pharmaceutical and food industries. We are also anxious to help them with any problems that arise in the formulation and utilization of vitamin A in their products. Our business is to supply natural and synthetic vitamin A for production requirements in a wide range of potencies.

For information or a quotation, write, wire, or phone *Distillation Products Industries*, Rochester 3, N. Y. Sales offices: New York and Chicago • W. M. Gillies and Company, Los Angeles and San Francisco • Charles Albert Smith Limited, Montreal and Toronto.



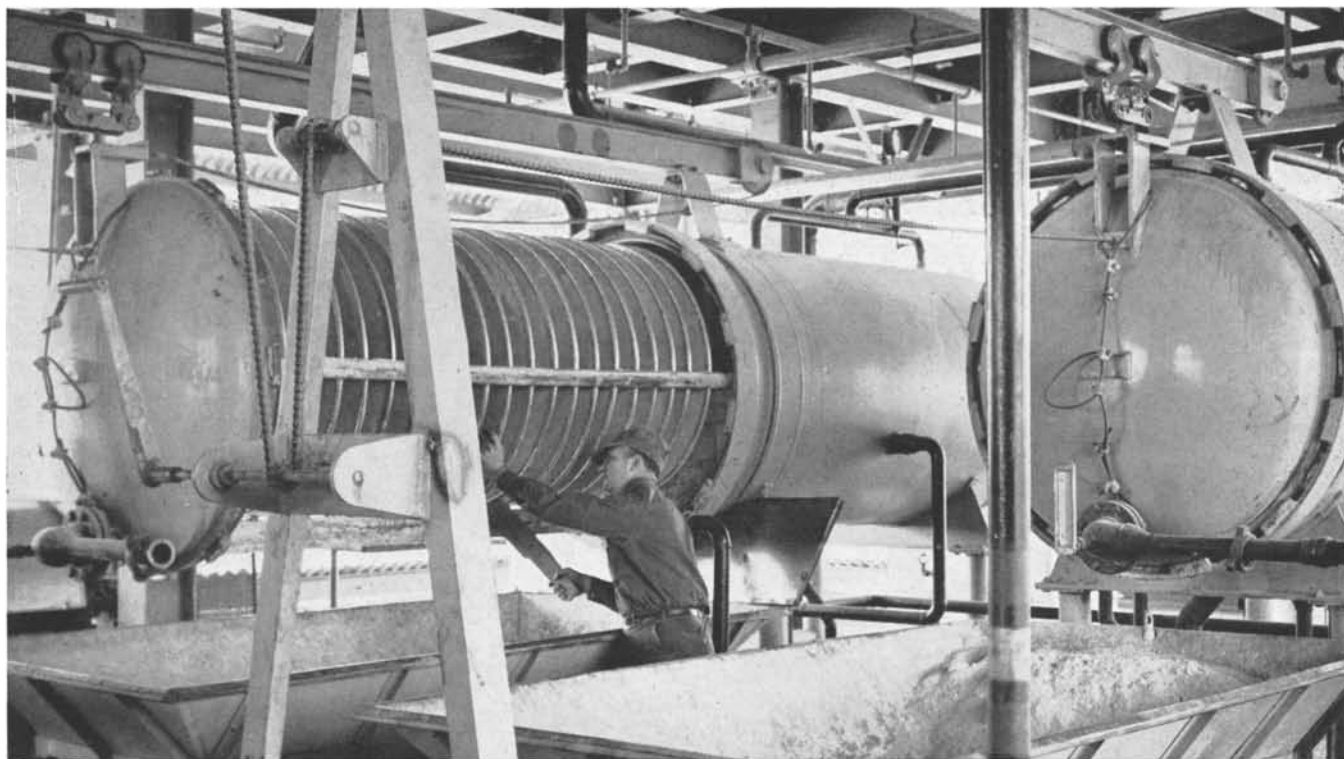
leaders in research and production of vitamin A

Also . . . vitamin E . . . distilled monoglycerides

. . . more than 3500 Eastman Organic

Chemicals for science and industry

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AMAZINGLY FAST CLEANING . . . All-metal filter leaves roll out of filter as a unit. Operator taps the leaves to drop dried cakes into trough, hopper, or wagon. Then he returns clean leaves into filter, which locks pressure-tight with one swift motion.

Dump miscella cake **IN TEN MINUTES** Dry cake fast . . . **SAFELY;** get back on-stream **IN ONE HOUR**

For OIL REFINERIES, too

The Style "H" Filter is exceptionally fast and safe for solvent extraction of bleaching clay cakes, in place in the filter. Fully-enclosed construction makes the Style "H" desirable for oil refinery jobs where purity of product is important.

ONE MAN opens, cleans, and closes the all-metal filters you see here—in less than ten minutes.

In ONE HOUR, either filter can be taken off-stream, drained, dried to less than 1% residual solvent in cake, opened, cleaned, closed, filled, and pre-coated. ONE HOUR!

No cloths to buy or handle. Filtration becomes a part-time job for one man. Think what that can do for your operating costs, and your profits.

The new Niagara Style "H" Filter gives you dependable, fast, safe filtration of miscella—even in a total-immersion type of plant; even under the most adverse solid-introduction conditions.

The Style "H" is *all metal*. No fabric to soak up moisture and cause plugging.

NOW is the time to get all the savings these great new *field-proven* filters can give you.

Write today for the facts.



GET THE FACTS **NOW!**

Free Bulletin H-1051 tells about fast cleaning, cloth and labor savings, high liquid recovery, other advantages of Niagara Style "H" Filters; lists sizes, capacities. Check the coupon and mail today.

NIAGARA FILTER Division, American Machine and Metals, Inc.

East Moline, Illinois

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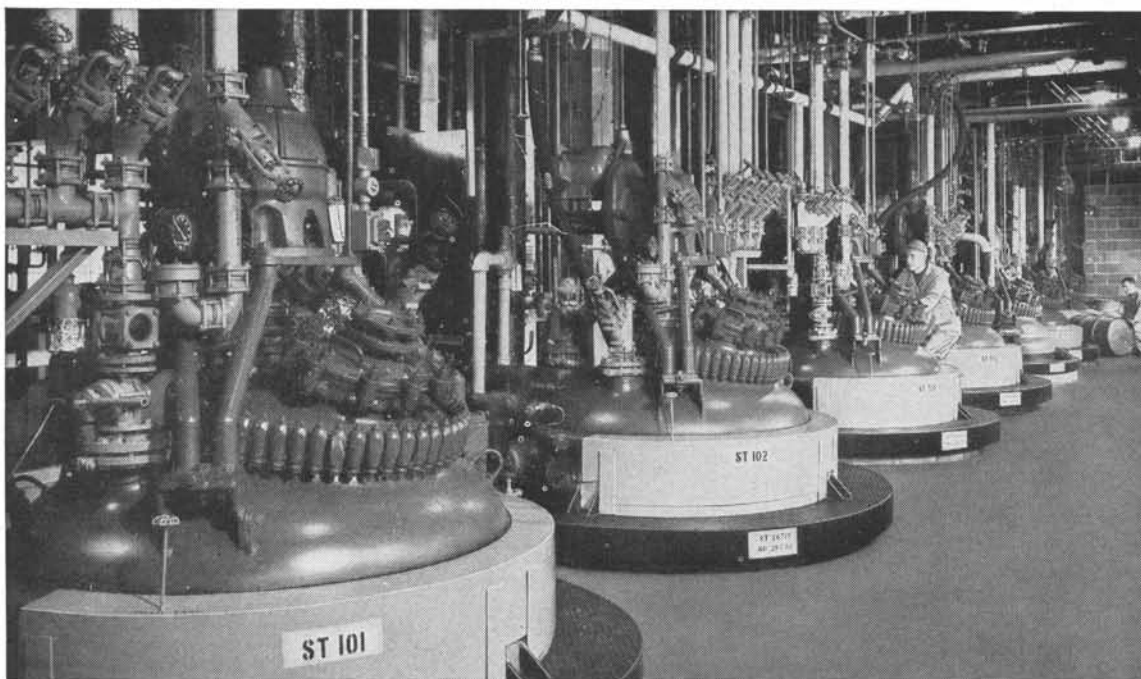


Niagara Filter DIVISION
 AMERICAN MACHINE AND METALS, INC.

East Moline, Illinois

IN EUROPE: Niagara Filters Europe, 36 Leidsegracht, Amsterdam-C, Holland

For Vitamin A—Look to Merck



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Merck offers Vitamin A Acetate in vegetable oil, a light-colored product, free from off tastes, eminently suited for use in margarine and other foods. Supplied in batch-size or bulk containers, 200,000 and 400,000 units per gram. For information on other potencies, write to the address below.

Merck's experience of almost two decades in the manufacture of vitamins is offered to help you in the application of Vitamin A to your processes.

Vitamin A, Merck

*Research and Production
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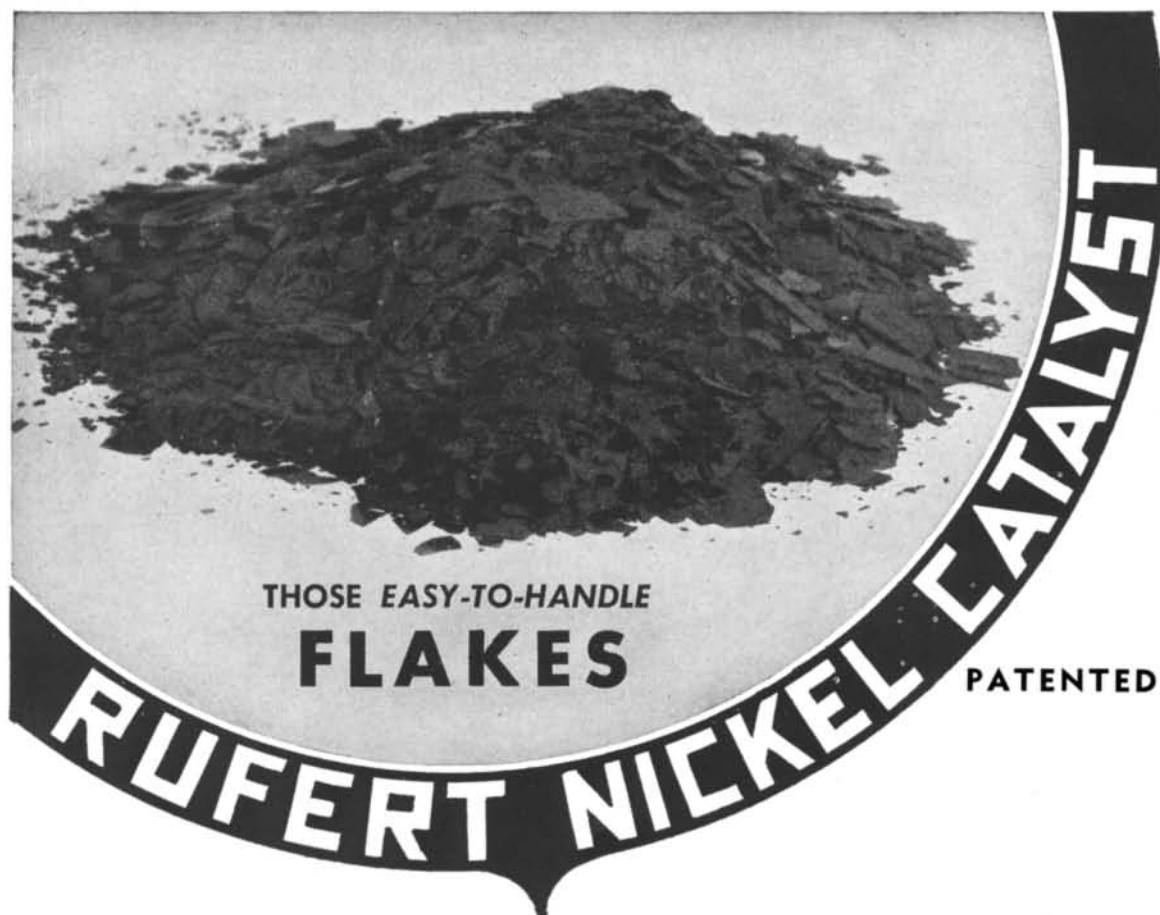


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...OF RESEARCH

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Process will handle ...

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- SOYBEAN
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- OKRA
- PEANUT
- SESAME
- MOWRAH
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Extraction efficiency high for all materials (less than 1% residual oil in the spent meal). Low solvent losses. Prime quality oil from prime materials. Write for complete details.

*... Based on a development of the Southern Regional Research Laboratory, U.S. Department of Agriculture.

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