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NEW SOVIET MACHINERY FOR FOOD INDUSTRY

NEW EQUIPMENT FOR TEA, WINE, AND TOBACCO INDUSTRIES -- Baku, Bakinskiy Rabochiy, 10 Jun 53

More than 30 types of equipment for the tea, wine, and tobacco industries have been perfected in the postwar years at the Tbilisi Machine Building Plant imeni Ordzhonikidze. Preparations are now being made for the series production of a hydraulic press for enterprises producing food concentrates.

BREAD MAKING AGGREGATES -- Moscow, Moskovskaya Pravda, 13 Jun 53

Fifteen dough making and rolling machines have been built by the Moscow Experimental Machinery Plant of the All-Union Scientific Research Institute of the Bread-Baking Industry. Designed by Komarov and Kolesnikov, engineers, the machines will be used in making round cracknels. Each machine will do the work of 11 men.

Scientists and workers at the plant are now developing an automatic constant-flow line for baking long loaves of bread. An aggregate which will produce 30,000 loaves of bread per day is now being built. All operations, beginning with the measurement of ingredients and ending with the removal of the finished product from the oven, will be mechanized.

CANDY MAKING MACHINERY -- Vil'nyus, Sovetskaya Litva, 18 Jun 53

The Barskiy Machine Building Plant (Vinnitskaya Oblast) of Glavmashdetal' /Main Administration of Machine and Parts Building, Ministry of Light Industry USSR/ has mastered the series production of constant-flow lines for caramel

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shops of confectionary factories. The constant-flow lines will fully mechanize the making of caramels. The first consignments of constant-flow lines have already been sent to confectionary factories in the Soviet Union.

MACHINES FOR CONFECTIONARY ENTERPRISES -- Moscow, Vechernyaya Moskva, 8 Jul 53

The Moscow Mossel'prom Factory has just completed tests of an experimental rotary machine to be used for biscuit making in small confectionary enterprises. Powered by a 0.5-kilowatt motor, it can produce up to 700 kilograms of baked goods per shift. The machine building shop will make 50 of these machines in 1953.

In July 1953, this shop is producing a large batch of equipment for the food industry -- toffee rolling machines, kneading and pulling machines, rotary pumps, and stamping and cutting apparatus for caramels. A large shipment including a kneading machine, stamping and cutting apparatus for caramels, and other equipment has been prepared for the Yeysk Food Combine in Krasnodarskiy Kray.

LACK NEW MACHINERY FOR WINE INDUSTRY -- Kishinev, Sovetskaya Moldaviya, 9 Jul 53

V. Krolenko, instructor-engineer at the Kishinev School of Wine Making, has designed a new high-production, continuous-operation wine press and a measuring tank for wine. Both designs have been examined and approved. However, there is no one to build them. For this reason, the development and introduction of new machinery in wine production have been suspended.

APPARATUS FOR FOOD INSPECTION -- Moscow, Vechernyaya Moskva, 3 Jul 53

The Leningrad Commercial Equipment Plant has mastered the production of an apparatus for luminescence analysis. The apparatus is to be used for determining the quality of vegetables, fruits, and other food products. One hundred of these units have already been sent to the largest procurement bases and storage points for fruits and vegetables.

PACKAGING MACHINES FOR THE FOOD INDUSTRY -- Leningradskaya Pravda, 26 Jun 53

The wrapping and packaging of food are among the most labor-consuming operations in the food industry. In postwar years, the food industry has been equipped with highly productive automatic wrapping machines. In confectionary enterprises alone, the number of wrapping machines in 1952 was three times the 1940 number.

Four packaging machines have been tested at the Leningrad Food Concentrates Combine. Machines for packaging coffee, caramels, and short-cut macaroni products will be designed on the principle of these basic machines. Two of the machines were built at the Krasnaya Vagranka Plant, for wrapping and labeling solid food concentrates, while the other two were made at the Voronezh Plant imeni Lenin, for wrapping and packaging flake and powdered products.

The machines of the Voronezh Plant have outstanding technical features. The APB machine, intended for packaging powdered products, replaces the manual labor of 70-75 people.

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On the other hand, the UZA and UEA machines of the Krasnaya Vagranka Plant, designed for wrapping and labeling food concentrates, do not have similar distinguishing technical features. The tests showed that the machines had been finished with poor-quality paint, and after they had been in operation a short time, the poor quality of casting became apparent.

There are great deficiencies in the quality of paper used for wrapping and packaging food products on automatic machines. Little attention has been given to this problem.

An investigation in 1952 showed that low-quality paper was responsible for the unsatisfactory performance of packaging machines. Measures were provided to improve the quality of paper, but little was actually done.

The Leningrad Food Concentrates Combine obtains its paper mainly from Leningrad and Leningradskaya Oblast, although some comes from the Estonian SSR. The Paper Mill imeni Volodarskiy produces parchment, which is unsuitable for automatic packaging machines, and the paper coming from the Vyborg Food Combine is also unsuitable. -- I. Val'per, chief engineer, Leningrad Food Concentrates Combine.

NEW BOTTLE WASHING AUTOMATIC -- Tbilisi, Zarya Vostoka, 1 Jul 53

Tbilisi Wine Plant No 1 has put into operation a new continuous-action rotary bottle washing automatic designed by I. Kadeishvili, P. Sokhadze, and N. Pegov. The conveying, loading, and unloading of bottles are done automatically.

The soiled bottles, carried on a conveyer, pass through a door from the packing room and enter the automatic, where they are washed 24 times in hot chemical solutions for a 16-minute period. They are then automatically unloaded and sent to the filling shop.

The whole cycle of washing [text has "filling"] is done by four synchronized machines, distinguished from all existing bottle washing machines by the originality of design. Cleanliness of the bottles is comparable to that obtained by hand washing. The rotary principle of operation, ease in handling, light weight, and high degree of efficiency are the principal features of this machine. It will make an important contribution to production economy at enterprises using bottles.

The automatic relieves from heavy labor more than 40 people per shift, and washes 20,000 one-liter bottles in 8 hours. If necessary, it can also be used to wash smaller bottles.

The automatic, with certain improvements, was recommended for series production. These improvements have been made.

The designers are now working on the incorporation of four machines which will wash, vacuum fill, cork, and label bottles in a single synchronized automatic line.

REFRIGERATORS FOR VILLAGE STORES AND RESTAURANTS -- Tallin, Sovetskaya Estoniya, 9 Jul 53

A group of workers of the Estonian Republic Council of Consumers' Societies, in conjunction with workers of the Leningrad Institute of the Refrigeration Industry, have developed a design for a new refrigerator which operates on a kerosene heater.

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The refrigerator is based on the ammonia-vaporization principle.
In 1954, this refrigerator will go into mass production and will be installed in village stores and restaurants where electricity is not available.

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