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CITE DEFICIENCIES AT HONORED PLANT;
REPLACE METAL MACHINE PARTS WITH PRESSED WOOD

SCORE PLANT'S UNDERHANDED METHODS -- Moscow, Pravda, 8 Jan. 52

A copy of a telephone message of congratulation addressed to Murav'yev, plant director; Naumova, secretary of the Party Bureau; and Dorokhin, chairman of the plant committee, was posted on the gate of a tool plant /presumably in Moscow, but apparently not the Moscow Tool Plant, which is subordinate to the Main Administration of Tool Production, Ministry of Machine Tool Building/. The message was sent to the plant by Boganov, chief of the Main Administration for Watch Production, for exceeding its production plan.

Unfortunately, the message did not mention how the program was fulfilled in respect to the main qualitative indexes. This is not surprising, because the report sent by the plant management to the Leningradskiy Rayon Party Committee in the city of Moscow did not include this information. It was stated only that the plant exceeded its plan for gross production and commodity output. Nothing was said about completing its assignment for designated types of products.

The plant was built for supplying the watch industry with complex tools, special machine tools, and precision instruments. At present, it is producing fine drills. One almost needs a magnifying glass to see the flutes. Machine tools intended for milling and threading tiny parts for wrist and pocket watches are manufactured here. Especially sensitive checking and measuring instruments for locating minute defects in a watch mechanism are also produced.

These and similar products are characteristic of the plant's output. However, the production of complex tools needed by watch plants have been put aside for the present. Many orders for dies, taps, drills, automatics, and other precision items remain unfilled.

All conditions at the plant are favorable for the fulfillment of the production program for designated types. However, the plant management, attempting to alleviate its work, is following another course. It produces goods that require the least amount of effort and exertion, ignoring the fact that other types of products must be perfected and produced.

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The work of important shops is poorly organized. The machine-tool-building shop, for example, is lagging. In the first 6 months of 1951, attention was concentrated on the output of already perfected gear milling automatics. In a few months, the year program for the production of these machines was completed. On the other hand, no consideration was given to the perfection of new machines which were needed by the watch-making plants.

There are many other deficiencies at the plant. Figuratively speaking, all this is taking place in full view of the workers of the Main Administration for Watch Production of the Ministry of Machine and Instrument Building because the main administration is located in the same area as the tool plant. -- V. Vavilov

MECHANIZE LABORIOUS PROCESSES AT WATCH PLANT -- Minsk, Sovetskaya Belorussiya, 8 Jan 52

Personnel of the Penza Watch Plant are increasing labor productivity, mechanizing labor-consuming processes, and improving the quality of the Zvezda wrist watch in 1952. Ten conveyers have been installed in the assembly shop. They have replaced the less productive conveyer belts. The rhythm of assembly is regulated by a special apparatus. At predetermined intervals, the conveyers stop to give the workers a rest period.

DESIGN AUTOMATIC CHIP-REMOVING DEVICE -- Minsk, Sovetskaya Belorussiya, 28 Dec 51

An automatic pneumatic device for removing chips has been developed by A. Ya. Rassolov of the Vulkan Plant. It has solved the problem of automatic transport of chips from machine tools.

A small metal funnel is fastened to the tool slide below the tool cutter. A powerful jet of air from an exhaust fan draws all the metal dust and chips through the funnel. The dust and chips travel through a flexible hose to a bunker which is set up on the street.

PRESSED WOOD REPLACES METAL -- Leningradskaya Pravda, 5 Jan 52

To eliminate noise at industrial enterprises, Soviet machines are now being built with many of their parts made of wood instead of metal. These include bobbins, bushings, bearings, gears, friction clutches, etc.

Not only do parts made of wood eliminate noise, but they are also replacing steel, iron, copper, bronze, and tin.

Associates of the Scientific Research Institute of Plywood were faced with the problem of making a material of wood as hard as steel or metal alloys. In addition to working out a method for obtaining a completely new material, they had to develop a method for the production of machine parts made of the material.

After thousands of experiments and painstaking efforts, these problems were finally solved. The principles of producing plastics were used to obtain the new material. It was necessary to have accurate proportions of resin and other components, select the proper size of birch particles, and to set up the operating conditions for hot pressing.

A part made of pressed birch has many advantages. It can be installed in a machine directly from the press; it is five or six times as light as bronze; its coefficient of friction is considerably lower, and consequently, its wear resistance is considerably higher.

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The new wood plastic is finding wide application in industry. For example, the Plant imeni Stalin is planning to use the one-piece wood pressed parts in friction units of future Volga turbines; the Gor'kiy Automobile Plant, for roller conveyers; the Plant imeni Kotlyankov, for ball mills, etc.

The new material could be used more extensively if more equipment were available. The institute needs more personnel, new presses, and instruments. An industrial enterprise, attached to the institute, must be built for the production of wood parts.

DEPUTY CHIEF OF MAIN ADMINISTRATION DIES -- Moscow, Moskovskaya Pravda, 24 Feb 52

Personnel of the Ministry of Machine and Instrument Building express their sympathy for the death of Andrey Yevseyevich Seronov, chief engineer and deputy chief of Glavarmalit (Main Administration for Production of Industrial Accessories) who died on 21 February.

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