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CENTRAL INTELLIGENCE AGENCY
INFORMATION FROM
FOREIGN DOCUMENTS OR RADIO BROADCASTS

REPORT []
CD NO. []

50X1-HUM

COUNTRY USSR
SUBJECT Economic, Technological - Machine and instrument building, computing, polygraphic machinery, watches
HOW PUBLISHED Daily newspapers
WHERE PUBLISHED USSR, Berlin
DATE PUBLISHED 3 Feb - 26 May 1951
LANGUAGE Russian

DATE OF INFORMATION 1949 - 1951

DATE DIST. 11 Oct 1951

NO. OF PAGES 3

SUPPLEMENT TO REPORT NO.

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SCOURCE Newspapers as indicated.

NEED MORE ARITHMOMETERS, COMPUTING MACHINES;
BEGIN CONVEYER PRODUCTION OF WATCHES

ACCOUNTANTS' MACHINES NOT AVAILABLE IN STORES -- Moscow, Izvestiya, 31 Mar 51

The carrying out of a planned economy calls for further innovations in accounting, an increase in labor productivity and qualified computing machine operators, and mechanization of accounting.

It is unfortunate that at present it is difficult to purchase arithmometers and slide rules at stores. Conversion tables are lacking for measurements which are constantly arising, such as for the conversion of a month into days, hours, and minutes.

Soviet industry has a wealth of experience in the production of complex mechanisms. The domestic Felixa-type arithmometers have successfully withstood tests for quality, simplicity of manipulation, and durability. It is only necessary to increase production of such mechanisms. The production of the Astra-type computing machines should be increased also so that they will become the available accountants of all organizations. []

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LAGS BEHIND PREWAR LEVEL OF PRODUCTION -- Moscow, Pravda, 26 May 51

Although the Kazan Typewriter Plant has made great technical progress, it still has not reached its prewar level of production.

PRODUCE STENOTYPE MACHINES -- Berlin, Nachrichten fuer Aussenhandel, 3 Feb 51

The Ryazan SAM (Computing and Analyzing Machine) Plant has started production of the STM 1 and STM 2 Soviet stenoype machines. These machines are only half as large as ordinary portable typewriters and are considerably lighter in weight; they are easier to operate and absolutely noiseless. Stenotypists can work on these machines for 2 or 3 consecutive hours at a speed of 140 words a minute.

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DESIGN, TEST NEW POLYGRAPHIC MACHINES -- Moscow, Izvestiya, 18 May 51

The Leningrad Linotip Plant has released experimental models of two new complex polygraphic machines which are now being tested at printing houses.

The Linotip N-5 permits the typesetter to set four different kinds of type simultaneously on one line. This modern polygraphic machine is made up of approximately 2,000 parts and can set up to 140,000 characters per shift.

The other new machine is designed for making book covers. It completely replaces hand labor in the manufacture of covers and can produce up to 16,000 parts per shift.

DEVELOP INTERMITTENT CONVEYER AT WATCH PLANT -- Moscow, Izvestiya, 12 Apr 51

An intermittent conveyer has been developed at the Penza Watch Plant. This conveyer has a universal attachment, making possible the performance of all watch assembly operations without removing any of the mechanisms being assembled from the conveyer belt. This frees assembly workers from losing time on auxiliary operations.

Adjusting the pallet, one of the assembly operations on the old type of lines, consists of 37 elements. This same operation on the intermittent conveyer has only 19 elements.

Such a cut in the number of elements for each operation has been achieved by means of a universal attachment which is secured to the belt and carries the watch mechanisms throughout the entire technological cycle. The universal attachment which holds the basic part of the watch mechanism makes it possible for the assembly worker, without removing the assembly, to place the mechanism in any position and perform any operation.

Each assembly worker is responsible for his operation alone. Formerly, watch mechanisms were handled up to 50 times during the assembly process. Now they are handled twice, at the beginning and at the end of the conveyer.

The worker's comfort has been taken into consideration also. A footstool, adjustable for height, has been installed. To bring the worker closer to the belt, which would facilitate his operations and reduce strain, an indentation has been cut in the work bench. Daylight bulbs have been installed on the conveyer and a signal system has been developed for rapid communication between the worker and foreman.

The plant personnel intend to convert all conveyer belts in the assembly shops to the new system. During the first half year, at least nine lines with intermittent conveyers will be set up.

The increased capacity at assembly shops brings with it the need for simultaneous increase in production at the machine shops. Processing a number of parts is being converted from cutting machines to press work.

A die for punching anchoring wheels having very complex-shaped profiles has been developed. Good results were obtained in testing.

PRODUCE BETTER WATCH SPRINGS THAN FOREIGN FIRMS -- Leningradskaya Pravda, 23 Mar 51

The Leningrad Plant imeni Molotov has undertaken the task of supplying the Soviet industry with watch springs, thus eliminating the need for importing material for this product.

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A group of workers at the plant have been awarded a Stalin Prize for developing and perfecting the technology of watch-spring production.

The springs produced by this plant surpass by far those manufactured by foreign firms. According to tests carried out at the Scientific Research Institute of the Watch Industry, these springs are better than those produced in Sweden.

The Sandvichen firm in Sweden until recently supplied the world with lamellar tape used in the textile industry. The Plant imeni Molotov now makes it own tape, and of better quality.

This plant also makes high-quality violin strings. -- Nik. Lebedev

WATCH PLANTS DISPLAY TOOLS UNDER MAGNIFYING GLASS -- Moscow, Vechernyaya Moskva, 2 Apr 51

Certain items exhibited at the House of Soviets and manufactured by watch plants could not be seen by the naked eye. For this reason, they were displayed under strong magnifying glasses. Only through these media could tiny drills, taps, and other tools be detected. Models of new watches were also on exhibition.

PRODUCE WATERPROOF AND SHOCKPROOF WATCHES -- Moscow, Vechernyaya Moskva, 9 Apr 51

Watches being produced by the Moscow First State Watch Plant have a running accuracy with a deviation of not more than 30 seconds, whereas Swiss watches of the same type have a deviation of one minute.

The manufacture of shockproof watches with waterproof cases is being perfected at the plant. Such watches withstand jolts and knocks without loss of accuracy. In the near future, a group of embossed faces will be produced.

PRODUCE CLOCKS OF INFERIOR QUALITY -- Yerevan, Kommunist, 11 Apr 51

Clocks of inferior quality are being produced by the Yerevan Watch Plant. For example, in one case, only 425 clocks from a total of 1,000 were approved by the checking and testing station; in another case, 700 out of 1,150.

MOSCOW PLANTS INCREASE PRODUCTIVITY -- Moscow, Izvestiya, 27 Mar 51

In 1950, for every thousand rubles of fixed assets, Moscow plants of the Ministry of Machine and Instrument Building produced 32 percent more products than in 1949.

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