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SOURCE Newspapers as indicated.

MACHINERY PRODUCTION IMPROVES;
MANPOWER SHORTAGE IN NOVOSIBIRSK PLANTS

NOVO-KRAMATORSK PLANT IMPROVES TECHNOLOGY -- Pravda Ukrainy, No 169, 20 Jul 49

The Novo-Kramatorsk Machine-Building Plant imeni Stalin is making extra heavy duty excavators with a 15-cubic-meter scoop and a 1,000-ton load capacity, drag lines, rolling mills, and many other machines.

The application of new technology is aiding plant production in many ways. A plant technician has devised a new method of making rollers used in cold rolling, thus increasing labor productivity more than 200 percent. Use of these rollers at the "Zaporozhstal'" Plant has demonstrated their great durability.

Another plant technician has improved the method of making hollow cylinders, up to 22 meters in size. He designed multiple drilling and boring heads which increased labor productivity 250 percent in an operation formerly considered a bottleneck. The use of these new tools saved the plant 5,406 machine-hours in making the cylinders for Dnepr GCS imeni Lenin hydrogenerators and turbines.

A group of plant technicians have devised a new and improved method of making rotors, steam domes, and drums for high-pressure boilers. Application of improved technological processes has lowered the labor input in making electric mine hoists 12 percent, shale gas generators 14 percent, coal grinding mills 8 percent, electric dehydrators 10 percent, and rollers for cold rolling 15 percent.

At present, the plant's primary tasks are: to convert 27 percent of the metal-cutting machines to high-speed operations, thus saving 100,000 machine-hours in 1949; to begin mass production of new small, medium, and large machine tools; and to begin the production of globular worm gears, cast multiple-cutting tools, gear millers, and large slotters and broaches.

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MOSCOW PIPE PLANT SUPPLIES HEAVY INDUSTRIES -- Vechernyaya Moskva, No 172,
21 Jul 49

Pipe produced by the Moscow Pipe Plant is used in making automobile drive shafts and steering gears, powerline transformers, various agricultural machines, metal furniture, etc.

A bottleneck has been cleared up in the strip-rolling shop by increasing the productivity of the electric annealing furnace 30 percent. The installation of a new gantry crane makes possible the rapid transport of heavy rolls of metal strip.

NOVOSIBIRSK BUILDS NEW PLANT -- Sovetskaya Sibir', No 112, 10 Jun 49

A boiler and radiator plant is under construction in Iskitim, Novosibirsk Oblast.

LENINGRAD UPS COAL MACHINERY OUTPUT -- Leningradskaya Pravda, No 170,
21 Jul 49

Leningrad industry has sent 202 million rubles' worth of equipment to the Donetz, Khuznetz, Moscow, Kuznetsk, and Georgian coal fields during the first 6 months of 1949. This is an increase of 30 percent over last year. A great number of heavy-duty electric machines, more than 2,500 explosion-proof electric motors, compressors, sludge pumps, drilling machines, high-voltage equipment, metal-working equipment, dial telephone exchanges, and armored and steel cable have been received by coal mines this year.

The "Pneumatika" Plant makes pneumatic drills and jack-hammers for use in coal mines. The "Svetlana" Plant shipped 300,000 mine lamps in fulfilling its 6-month plan ahead of schedule.

BUILDS NEW POLYGRAPHIC MACHINES -- Trud, No 169, 20 Jul 49

The "Liotip" Plant, which is the largest polygraphic machine-plant in the Soviet Union, has mastered the production of a number of new machines, including linotypes of modern design. The productivity of these machines exceeds the regular machines by 15 percent.

For the first time in the USSR, bookbinding machines have been produced. Their productivity is 25 book covers per minute. One of these machines does the work of six or seven workers.

In the near future, the plant will produce the first series of book-inserting machines. Experimental models of these machines have already been tested.

MOSCOW CARBURETOR PLANT IMPROVES EQUIPMENT -- Vechernyaya Moskva, No 168,
15 Jul 49

The Moscow Carburetor Plant is exerting great efforts to expand its output from its present equipment. A new shaft head for metal cutting machines is being tested today in the machine shop. Its use cuts in half the time required to prepare for making parts. The new heads will be used in making shock absorbers for the Moskvich automobile.

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Semiautomatic machine tools are now being used in making large parts. These machines are three times as productive as the former design. Pneumatic equipment is being widely used in the plant. Machines with pneumatic chucks are in operation in the section making levers for brake cranes. Fifteen more chucks with pneumatic grips are now being made. They will be installed on turret lathes, diamond drilling machines, and milling machines.

DRILLING EQUIPMENT OUTPUT RETARDED -- Sovetskaya Sibir', No 112, 8 Jun 49

The Novosibirsk "Burovaya tekhnika" (drilling equipment) Plant has not been operating according to plan because the Novosibirsk "Meliovodstroy" (Construction of Irrigation Projects) Trust, of which the plant is a part, has reduced it to the position of an auxiliary enterprise. Necessary working capital and raw material supplies for production of hydraulic and drilling equipment have not been regularly available to the plant because of the attitude of the trust's directors. The plant could play an important role in the 3-year plan for animal husbandry development by producing the planned volume of irrigation and drilling equipment to be used on farms. The plant needs only a few additional machines to achieve a considerable increase in its output of hydraulic hoists, rotor and drilling units, etc.. Twenty percent of the plant's current program consists of filling orders for items not connected with its main, planned output. In 1948, a large sum of money was allocated for expansion of the plant, but the trust used most of the funds for other projects.

The plant produces spare parts for TV-8 wind-powered motors and is fully able to organize production of the machines themselves. It is also scheduled to start production of automatic sprinklers and a simplified rig for drilling artesian wells. The oblast water economy administration must solve the problem of the plant's further development and cease to consider it an auxiliary enterprise of the "Meliovodstroy" Trust if the plant's production, supply of materials, and finances are to be improved. The entire production capacity should be converted to output of equipment needed by kol'khozes and sovkhazes for the development of animal husbandry.

OFFICE SUPPLIES CONSTRUCTION MACHINERY -- Sovetskaya Sibir', No 110, 5 Jun 49

The "Sibstroymekhanizatsiya" (Siberian Construction Mechanization) Office of "Glavstroyrekhvizatsiya" (Main Administration of Construction Mechanization) of the Ministry of Construction and Road-Machine Building USSR announces to construction organizations and enterprises that it provides the following items to projects and enterprises in Siberia, Central Asia and the Far East: construction and road machinery, equipment for production of construction materials, and tools and spare parts for the above. The Office also rents construction and road machinery on a contract basis and supplies technical advice on the installation and operation of machines produced by the plants of the Ministry of Construction and Road-Machine Building. Technical literature pertaining to the machines is also available at the Office. Apply at the Office, Novosibirsk, pochtovyy yashchik, 101 (prospekt imeni Stalina, 6). -- Advertisement

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NOVOSIBIRSK PLANTS SEEKS WORKERS -- Sovetskaya Sibir', No 114, 11 Jun 49

The Novosibirsk "Tyazhtankogidropress" (Heavy Hydraulic Press) Plant needs the following types of skilled workers: borers, planners, grinders, assembly mechanics, groovers, casters, molders, cleaners, pourers, steelworkers and assistants, and others. Wages are paid by the progressive piecework system. Workers in hot shops are given privileges granted to workers in enterprises of the Urals and Siberia.

The plant also needs design engineers and technicians, technologists, and bookkeepers. Wages are fixed by agreement.

The plant will accept adult men for training, with a guaranteed wage of 500 rubles per month during training. Those being trained to operate unique (unikal'nyy) machine tools will receive up to 500 rubles per month. The plant provides dormitory quarters.

Apply: Personnel Department, Novosibirsk, Kirovskiy Rayon, Bugry. -- Advertisement

Sovetskaya Sibir', No 115, 12 Jun 49

The Steel Structures Plant, Novosibirsk Oblast, needs a mechanical designer, (wages fixed by agreement), construction engineer, and a chief of the capital construction division. Apply: "Metallokonstruktsiya" Plant, Krivoshechekovo Station. -- Advertisement

MACHINE-BUILDING INSTITUTE NEEDS KEY PERSONNEL -- Vechernyaya Moskva, No 181, 1 Aug 49

The Central Scientific Research Institute of Technology and Machine Building (TsNITMASH), Ministry of Heavy Machine Building, announces a competition to fill the following vacant posts: head of the department of instrument building -- a doctor of or candidate in technical sciences; director of the X-ray laboratory -- a doctor of or candidate in technical sciences; and director of the mechanical testing laboratory -- a candidate in technical sciences.

The competition will end 1 September. Applications are to be sent to the director of the institute, Moscow, 88 Sharikopodshipnikovskaya ulitsa, 2. -- Advertisement.

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