Collectives of workers at the Chasov Yar combine are persistently working on the use of new techniques, the development of advanced technology, modernization of equipment, mechanization and automation of production processes.

In the combine's mines, for the first time in open-pit mining practice we have introduced a conveyorized set-up of machines, operating on the continuous principle with an output of 500 m³/h.

At the Chasov Yar combine we have carried out industrial testing of the rotary excavator ERG-350/1000 with an output of 1000 m³/h, the rotary excavator ZER-500, and introduced the first walking-beam excavator ESh6-60 built by the Novo-Kramator engineering factory.

For the development of complex veins of fireclays, the management, with the aid of inventors and rationalizers of the mining section, have designed new improved excavators R-9 and ERG-250 with outputs of up to 250 m³/h, which means we can handle veins of clay of complex structure with thicknesses of up to 10 m in one bench.

To improve the extraction conditions for complex veins and handling of the clays on conveyor transport and into railroad trucks we have prepared double-console self-operating conveyor overloaders SKP-2.

The inventors and rationalizers have designed a transport-dump bridge of a new construction on tracks, which has been introduced at the Formovochnyi mine.

The saving effected from the use in the combine's mines of new techniques and advanced technology during the 7-year period was more than 2 million rubles.

In collaboration with scientific-research institutes, we have developed a technology and organized the production of new refractories for metallurgy and other sections of industry: magnesite, zircon, and high-alumina nozzles, high-grog glass blocks, ultralightweight brick, silicon-carbide, and periclase-spinel products.

We are producing experimental-industrial batches of high-density articles with porosities of up to 12% for the shafts of blast furnaces.

The heat units of the departments are being changed to natural gas which has already given savings of more than 1 million rubles.

The production of steel-casting funnels, casting tubes, and nozzles has been changed to the semidry method of pressing.

Of the total volume of goods produced by the refractories combine 98.7% is made at the present by semidry pressing.

The basic funds for the concern during the years of the 7-year period have increased by 70%. We have introduced into action a complex tunnel furnace (No.5) with a capacity of 100,000 tons a year, rotary and shaft furnaces, and installed new presses and other equipment.

The level of mechanization of the work at the combine has substantially improved.

Work done has permitted the collective of the combine to complete the 7-year plan prematurely for 1959-65, and to give an extra output on the plan of 10.3 million rubles and to obtain 1.4 million rubles extra savings from cost reductions, and to increase the labor productivity and reduce production loss.

In the shaft kilns, as a result of the introduction of plate and belt conveyors, we have mechanized the discharge and transporting of fired grog. The management has automated the loading of briquette into shaft furnaces. The control of the level of briquette in the shaft furnaces is done with radioactive level
meters. We have automated the work of tube mills for combined grinding.

A big contribution in the development of technical progress has been made by rationalizers and inventors, the number of which at the combine exceeds 1500 people.

During the 7-year period the rationalizers came forward with 11,047 proposals of which 9,005 were used. The specific annual economic effect from the introduction of these proposals was 2.3 million rubles.

Important work is being done at the combine on the introduction of production aesthetics, increasing the standard of production, and improving the living conditions for the workers.

The developed plan for measures on health, hygiene, production aesthetics, and dwelling space, the drive against dust and gas impurities, improvements in the content of equipment, making the factory area more pleasant, is being successfully completed. Following the attainment of these successes in this work and the results of the examination-competition for 1964, the combine was awarded the first prize.

The measures carried have contributed to a reduction in the illness, accident rate and substantially increased the efficiency of the plant.

The living area of the concern during the 7-year period increased by 22,000 m², and we have built a hospital for 200 beds, a school, a social combine and other cultural-living objects, and also asphalted 200,000 m² of roads and pavements.

In the competition for communist work and for the title of "Concern Producing Goods of Outstanding Quality", all members of the combine are taking part. The high honor of "Collective of Communist Work" has been awarded to four departments and one mine, 117 teams, and 31 shifts.

The title "Striker for Communist Work" at the combine is held by 4017 people, including 442 engineering-technical workers.

Two sections, 28 teams and 11 shifts have received the "23rd Congress of the CPSU" award.

Following these achievements and completion of tasks of the 7-year plan, the Presidium of the Supreme Council of the USSR award body on the 22nd March 1966 awarded orders and medals to 31 workers of the combine.

Having examined the results of the completion of the socialist responsibilities taken by the collective of the combine in honor of the 23rd Congress of the CPSU, the presidium of the Donets regional council of trade unions attached to the metallurgical industry, assessing the results of the socialist competition for early completion of the 23rd Congress, CPSU plans, awarded the Chasov Yar combine the Red Flag, in perpetuity. Inspired by the resolutions of the 23rd Congress of the CPSU the collective of the combine then went on to complete the problems of the new 5-year period.

In the current 5-year period it is intended to introduce into action the October mine and the 2nd phase of the East mine, and accomplish reconstruction of the North mine, producing molding sands; to complete the reconstruction of production departments No. 5-7, and to begin the reconstruction of department No. 2.

With the aim of centralizing the work on the repairs of equipment in the refractories concerns, the Ogneupornerud and the Chasov Yar combine will build a centralized repair-mechanical workshop.

Mechanizers of the mining authority will build a new transport-dumper bridge, capacity 1300 m³/h, and a rotary excavator ERG-250 for the South mine, which will reduce the labor expenditure on overburden work and mining the raw materials.

In the mines we shall introduce economic transport dump systems.

The development of project capacity of the North and October mines will permit us to increase the supply of high-grade clays CHO and Chl to the consumers.

The level of the mechanization of work, on account of the accomplishment of the number of management-technical measures, is intended to increase to 72.5%.

Together with the scientific-research institute it is intended to carry out a number of scientific-research works aimed at increasing the life of refractories.

Work will be done to develop the production of highly refractory lightweight insulating materials,