

**SUMMARY OF THE FULFILMENT OF
THE FIRST FIVE-YEAR PLAN FOR THE DEVELOPMENT OF
THE NATIONAL ECONOMY OF THE U.S.S.R.**



**Report of the State Planning Commission of the
Council of People's Commissars of the
Union of Soviet Socialist Republics**

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**LONDON
GEORGE ALLEN & UNWIN LTD
MUSEUM STREET**

X:75.58.N28

• F8

• 9700

Printed in the Union of Soviet Socialist Republics

ERRATA

- Page 9, line 10 down
Reads "collective of private"—should read "collective or private".
- Page 11, line 2 up
Reads "from 19.2 per cent to 29.0"—should read "from 19.9 per cent to 31.0".
- Page 12, line 12 down
Reads "158 per cent"—should read "157.1 per cent".
- Page 23, line 15 up
Sentence beginning "The plan for . . ." should read: "The plan for the carrying of goods has been fulfilled to the extent of 104.1 per cent and the plan for the carrying of passengers has been fulfilled to the extent of 237.6 per cent."
- Page 24, line 9 up
Reads "32,000 kilometres"—should read "41,000 kilometres."
- Page 28, line 3 up
Reads "to 22,180,000"—should read "to 22,800,000."
- Page 31, line 20 and 21 down
Figures in brackets should read: "from 39 to 50"; "from 293 to 366"; "from 36 to 55".
- Page 32, line 21 down
Reads "400,000"—should read "511,000".
- Page 49, line 12 up
Reads "35 per cent"—should read "56.5 per cent".
- Page 50, line 7 down
Reads "44.4 per cent"—should read "44.2 per cent".
- Page 60, line 6 down
Reads "15.4 times"—should read "18.3 times."

Page 103, line 3 down

Reads "new pits will amount"—should read "new pits and pits in construction will amount".

Page 132, line 16 up

Reads "from 1.78 million in 1927-28 to 4.8 million in 1932"
—should read "1.78 billion . . . to 4.8 billion".

Page 139, line 13 down

Reads "increased 8.7 times"—should read "increased 8.3 times".

Page 186, table, line 2 down of figures

Reads "6,411.1"—should read "6,311.1".

Page 193, line 3 down (line under table)

Reads "almost doubled"—should read "more than doubled"

Page 219, line 21 down

Reads "72.8"—should read "72.0".

Page 222, line 16 down

Reads "by 1,654 million rubles, of which 813 million rubles came from the rural population and 841 million rubles"—
should read "by 700 million rubles, of which 340 million rubles came from the rural population and 360 million rubles".

Page 223, line 16 down

Reads "66.0 per cent"—should read 66.8 per cent".

Page 231, Sixth Column of table, line 3 down

Reads "905.0"—should read "903.3".

Page 286, appendix 2nd column in figures

Reads "6,411.1"—should be read "6,311.1".

CONTENTS

	Page
Preface	ix
General Summary	1
Construction	38
Industry	56
Machine Building	65
<i>Power Machinery and Equipment, 71; Machine-Tools and Tool Making, 74; Metallurgical, Mining, Oil Well and Chemical Machinery, 76; Transport Equipment, 77; Agricultural Machinery, 81; Equipment for the Light and Food Industries, 82</i>	
Electrification	85
Fuel.	98
<i>Coal, 101; Oil, 104; The Peat Industry, 106; Oil Shale, 107</i>	
The Iron and Steel Industry	109
Chemical Industry	123
Building Materials and the Timber Industry	131
<i>Building Materials, 131; The Timber and Woodworking Industries, 136</i>	
Light and Food Industries	139
Agriculture	145
Transport and Communication	167
<i>Railroad Transport, 167; Water Transport, 173; Automobile Transport, 175; The Civil Air Fleet, 176; Communication, 177</i>	
Labour and Living Conditions	181
Commodity Circulation	205
Finances	219

CONTENTS

	<i>Page</i>
Cadres and Education	229
Geographic Distribution of the Productive Forces	239
<i>Changes in the Geographic Distribution of the Branches of National Economy, 239; The Economic and Cultural Rise of the National Minority Regions of the U.S.S.R., 253</i>	
Appendix: Tables	269

LIST OF TABLES

	<i>Page</i>
1. Population Figures	269
2. Change in Composition of Population, 1928-32	269
3. Total Capital Investments in National Economy	270
4. Capital Investments in Socialized Sector of National Economy	270
5. Gross Production of Census Industries	271
6. Curve of Gross Production of Census Industries During the Period of the Five-Year Plan	272
7. Yearly Rate of Growth of the Gross Production of Census Industries	272
8. Gross Production of the Principal Branches of Industry	273
9. Electrification	274
10. Prime Movers in the National Economy of the U.S.S.R.	275
11. Rated Capacity of Electric Power Stations in Principal Districts in the U.S.S.R.	276
12. Reconstruction of Individual Metal Working Industries in the U.S.S.R.	277
13. Electrification of Machine-Tools of Metal Working Industries in the U.S.S.R.	278
14. Blast Furnaces in U.S.S.R., Grouped According to Volume	279
15. Open Hearth Furnaces in U.S.S.R., Grouped According to Hearth Area	279
16. Reconstruction of Oil Industry	280
17. Mechanization of Coal Production in U.S.S.R. During Period of Five-Year Plan	280
18. Number of Machines in Coal Industry in U.S.S.R., 1928 and 1932	281
19. Railway Transport	282
20. Sown Area in U.S.S.R.	283
21. Increase of Sown Area and the Share of the State and Collective Farms in the Total Sown Area	283
22. Main Indices of State Farm Construction During Period 1928-32	284
23. Main Indices of Collective Farm Construction	284
24. Labour	286
25. Municipal Services—Operation Indices	288

LIST OF TABLES

26. Main Indices Showing the Development of Public Catering, 1928-32	289
27. Health Protection	290
28. Unified Financial Plan of First Five-Year Plan and its Realization	291
29. Unified State Budget During First Five-Year Plan Period . . .	292
30. Financing of Social and Cultural Services During First Five- Year Plan Period	294
31. Cadres	295
32. Education	296

PREFACE

THE object of the present work compiled by the State Planning Commission of the Council of People's Commissars of the Union of Soviet Socialist Republics and by the Central Board of National Economic Accounting of the State Planning Commission of the U.S.S.R. is to provide factual and statistical material on all aspects of the plan showing the fulfilment of the first Five-Year Plan (1928-29 to 1932-33) in the course of four and a quarter years (1928-29 to 1932) and in those parts in which 1928 is compared with 1932, in four years. The fulfilment of the plan is shown on the basis of the data of the Central Board of National Economic Accounting of the State Planning Commission of the U.S.S.R. and of the respective People's Commissariats.

This data was verified and compiled by the State Planning Commission of the Council of People's Commissars of the U.S.S.R. in conjunction with the Central Board of National Economic Accounting of the State Planning Commission of the U.S.S.R. The statistical material given in this work includes more complete data than the State Planning Commission of the Council of People's Commissars of the U.S.S.R. was able to present to the Government of the U.S.S.R. on January 1, 1933, and for that reason, certain figures of industrial output and of capital investment differ from those previously published and represent more precise data. Owing to the immensity of the territory of the U.S.S.R. and the gigantic sweep of construction, we cannot in this work confine ourselves exclusively to the final data available, hence, the figures showing the results achieved in 1932 may still undergo slight revision.

The present work was edited by a committee, appointed by the

PREFACE

Presidium of the State Planning Commission of the U.S.S.R., consisting of V. L. Mezhlauk, V.V. Ossinsky, R. I. Gaister, I. A. Kraval, G. I. Smirnov, B. V. Troitsky. B. S. Borilin, V. V. Belenko and A. I. Kristin.

V. V. KUIBYSHEV

**Chairman of the State Planning Commission of
the Council of People's Commissars of the
Union of Soviet Socialist Republics**

APPENDIX

TABLES

APPENDIX

Table No. 1

		POPULATION FIGURES			1932 in %/‰ to	
		(In millions, at end of year)			1928	1913
	1913	1928	1932			
1. Total population . . .	139.3	154.2	165.7	107.5	119.0	
Of which:						
a) Urban . . .	24.7	27.6	38.7	140.2	156.7	
b) Rural . . .	114.6	126.6	127.0	100.3	110.3	
2. Percentage of urban population to total . .	17.7	17.9	23.3	—	—	

Table No. 2

CHANGE IN COMPOSITION OF POPULATION			
1928-32			
(Average figure for year)			
	1928	1932	1932 in %/‰ to 1928
1. Non-agricultural population (in millions)	32.4	47.4	146.3
Percentage to total population . .	21.3	28.8	—
2. Agricultural population, including those employed in forestry and fishing (in millions)	119.9	117.2	98.2
Percentage to total population . .	78.7	71.2	—
Collective farm population (in millions)	2.0	66.7	3,330.0
Percentage of collective farmers in rural non-proletarian population	1.7	61.6	

Table No. 3

TOTAL CAPITAL INVESTMENTS IN NATIONAL ECONOMY

(In billions of rubles, in prices of the respective years)

Sectors of National Economy	During restoration period 1923-24 to 1927-28		Estimate for 5-yr. Plan (1928-29 to 1932-33)		Realized in 4 $\frac{1}{4}$ years		Investments in 4 $\frac{1}{4}$ yrs. in %/o to	
	Invest- ments	Percent- age	Invest- ments	Percent- age	Invest- ments	Percent- age	Estimate of 5-yr. Plan	Investments during restoration period
Total for National Economy								
as a whole	26.5	100.0	64.5	100.0	60.0	100.0	93.0	226.4
A. Socialized Sector	11.1	41.9	46.9	72.7	52.5	87.5	111.9	473.0
B. Private Sector	15.4	58.1	17.6	27.3	7.5	12.5	42.6	48.7

Table No. 4

CAPITAL INVESTMENTS IN SOCIALIZED SECTOR OF NATIONAL ECONOMY

(In billions of rubles, in prices of the respective years)

Branches of National Economy	During restoration period 1923-24 to 1927-28		Estimate for 5 years in 5-yr. Plan		Realized in 4 $\frac{1}{4}$ years		Investments in 4 $\frac{1}{4}$ yrs. in %/o to	
	Invest- ments	Percent- age	Invest- ments	Percent- age	Invest- ments	Percent- age	Estimate of 5-yr. Plan	Investments during restoration period
Total investments								
in socialized sector	11.1	100.0	46.9	100.0	52.5	100.0	111.9	473.0
Of which:								
1. Industry	4.9	44.2	19.1	40.7	24.8	47.2	129.8	506.1
Group "A"	3.6	32.4	14.7	31.4	21.3	40.6	144.9	591.7
2. Agriculture	0.7	6.3	7.2	15.3	10.8	20.6	150.0	1,542.8
3. Transport	2.7	24.3	9.9	21.1	9.8	18.7	99.0	363.0
4. Communication	0.1	0.9	0.3	0.6	0.56	1.1	186.7	560.0

Table No. 5

GROSS PRODUCTION OF CENSUS INDUSTRIES

(In billions of rubles, in prices of 1926-27)

Industries by Groups	1913	1928	1932	Planned for 1932-33 in 5-yr. Plan	1932 in %/o to		
					1932-33 in 5-yr. Plan	1928	1913
All industries	10.25	15.7	34.3	36.6	93.7	218.5	334.5
Group "A"	4.29	7.0	18.0	17.4	103.4	258.6	419.5
Group "B"	5.96	8.7	16.3	19.2	84.9	187.3	275.5
Percentage of Group "A" to total	41.8	44.3	52.5	47.5	—	—	—
Percentage of Group "B" to total	58.2	55.7	47.5	52.5	—	—	—

Note: This table gives the indices of the increase in production in the four years of the Five-Year Plan period in comparison with the 1928 calendar year. Compared with the production during the 1927-28 fiscal year, the gross production of the census industries in 1932 amounted to 233.3%: for Group "A" industries, to 272.7% and for Group "B" to 201.2%. Compared to the estimate of production for the 1927-28 fiscal year in the Five-Year Plan the production of the census industries in 1932 amounted to 246.8.

Table No. 6

**CURVE OF GROSS PRODUCTION OF CENSUS INDUSTRIES
DURING THE PERIOD OF THE FIVE-YEAR PLAN**

(In billions of rubles, in prices of 1926-27)

Industries by groups	1928	1929	1930	1931	1932
All industries	15.7	19.8	25.2	30.9	34.3
Group "A"	7.0	9.0	12.7	16.0	18.0
Group "B"	8.7	10.8	12.5	14.9	16.3
Percentage of Group "A" to total	44.3	45.5	50.4	51.8	52.5
Percentage of Group "B" to total	55.7	54.5	49.6	48.2	47.5

Table No. 7

**YEARLY RATE OF GROWTH OF THE GROSS PRODUCTION
OF CENSUS INDUSTRIES**

Industries by groups	In percentages to preceding year			
	1929	1930	1931	1932
All industries	126.1	127.3	122.6	111.0
Group "A"	129.3	141.1	126.0	112.5
Group "B"	124.1	115.7	119.2	109.4

Table No. 8

GROSS PRODUCTION OF THE PRINCIPAL BRANCHES OF INDUSTRY

(In millions of rubles, in prices of 1926-27)

Industries	1928	1932	Planned for 1932-33 in 5-yr. Plan	1932 to	
				1932-33 in 5-yr. Plan	1928 (In percentages)
Fuel, total	1,079.0	2,382.9	2,387.0	99.8	220.8
Coal	375.2	659.9	740.0	89.2	175.9
Oil	582.7	1,413.0	1,309.0	107.9	242.5
Metal, total	2,722.6	9,032.6	7,100.0	127.2	331.7
Ferrous metals	705.5	1,263.7	1,869.0	67.6	179.1
General machine building, ship building and production of metal goods	1,405.8	5,252.9	2,899.0	181.2	373.6
Agricultural machine building . .	176.9	890.4	893.0	99.7	503.3
Electrical equipment	299.3	1,218.3	896.0	136.0	609.1
All machine building, including electrical equipment	1,822.0	7,361.6	4,688.0	157.0	401.8
Chemicals Group "A"	348.0	1,039.9	1,413.0	73.6	298.8
Timber	836.7	2,400.0	2,803.0	85.6	286.8
Industries producing articles of con- sumption (without food)	5,408.0	8,997.1	12,233.0	73.5	166.4
Food	1,544.5	3,485.3	3,325.9	103.5	225.6

Table No. 9

	ELECTRIFICATION				1932 in % to		
	1913	1928	1932	Planned for 1932-33 in 5-yr. Plan	1932-33 in 5-yr. Plan	1928	1913
1. Capacity of all electric power stations in U.S.S.R. (in thous. kw. at end of year) ¹	1,098.0	1,874.4	4,567.0	5,500.0	83.0	243.7	415.9
Of which: capacity of district stations	170.0	610.0	2,624.7	3,200.0	82.0	430.2	1,543.5
Percentage of capacity of district stations to total	15.5	32.5	57.5	58.2	—	—	—
2. No. of hours of utilization of average yearly rated capacity of the district stations	—	3,610.0	3,570.0 ²	4,040.0	88.4	98.9	—

¹ Exclusive of temporary stations at construction jobs.

² Without the Dnieper Electric Power Station—3,720 hours.

Table No. 10

PRIME MOVERS IN THE NATIONAL ECONOMY OF THE U.S.S.R.

	1913	1928	1982	1932 in %% to	
				1928	1913
1. Production of electric power by all stations of U.S.S.R. (in millions of kw.h.)	1,945.0	5,003.0	13,100.0	261.3	673.5
Of which: district stations	431.0	1,950.0	7,895.0	404.9	1,831.9
District station production in percentage to total	22.2	38.9	60.3	—	—
2. Coefficient of electrification of industrial production (percentage of electric power in total power consumed as motor power)	—	50.9	71.2	—	—
3. Total power supply per worker (in kw.h. consumed in industry per man-hour)	—	1.28	1.71	133.6	—
4. Electric power supply per worker (in kw.h. of electric power consumed in industry per man-hour)	—	0.68	1.28	188.2	—

APPENDIX

Table No. 11

**RATED CAPACITY OF ELECTRIC POWER STATIONS IN PRINCIPAL
DISTRICTS IN THE U.S.S.R.¹**

Republics and Regions	Capacity of electric power stations at end of year (in thousand kw.)				1932 in %% to 1928 for all stations
	1928		1932		
	All stations	District stations	All stations	District stations	
Northern Territory	14.8	—	37.80	—	259.0
Karelian Republic	2.6	—	13.89	—	534.2
Leningrad Region	284.1	186.2	410.34	319.4	144.4
Western Region	35.6	—	77.44	22.0	217.5
Moscow Region	387.5	254.0	665.38	526.5	171.7
Ivanovo Region	101.8	8.0	253.98	111.0	249.5
Gorky Territory	46.4	20.0	225.39	158.0	485.8
Ural Region	131.1	6.0	434.00	252.0	331.0
Bashkir Republic	8.1	—	15.17	—	187.3
Tartar Republic	9.2	—	22.50	10.0	244.7
Middle Volga	18.3	—	40.37	15.2	220.6
Lower Volga	26.1	—	130.63	73.5	502.5
Northern Caucasus and Daghستان	74.0	—	210.81	122.0	284.9
Crimea	9.8	—	25.75	—	262.7
Kazakstan	5.1	—	15.28	—	299.2
Western Siberia	26.3	—	87.08	36.0	366.2
Eastern Siberia		—	9.60	—	
Ukrainian S.S.R.	465.2	20.0	1,428.92	792.5	307.1
White Russian S.S.R.	18.1	—	55.83	20.0	308.4
Transcaucasian F.S.S.R.	141.4	113.0	220.55	176.1	156.0

¹Exclusive of temporary electric power stations on construction jobs and also of the stations under the control of the Commissariats of Transport, Communication and Water Transport.

Table No. 12

**RECONSTRUCTION OF INDIVIDUAL METAL WORKING
INDUSTRIES IN THE U.S.S.R.¹**

Industry	Total metal cutting and metal pressing machines installed up to April 10, 1932	Including those installed (In %/o to total for each industry)		
		Up to 1918	1918-28	During 3 ¹ / ₄ yrs. of 1st Five-Year Plan ('29, '30, '31 and 1st quarter of '32)
All metal working industries	113,431	33.4	22.4	44.2
Machine building	87,278	34.9	20.1	45.0
Boiler equipment	805	43.0	16.2	40.8
Electric power equipment	6,201	27.7	27.3	45.0
Precision machinery	5,451	4.8	27.5	67.7
Metal working machine-tools	4,305	16.9	13.8	69.3
Equipment for oil and mining industries	2,336	26.5	34.0	39.5
Equipment for metallurgy	2,258	39.7	17.3	43.0
Equipment for food industry	1,680	33.5	25.4	41.1
Construction and road-making machinery	1,396	28.4	24.0	47.6
Machinery for structural iron	294	20.6	20.6	58.8
Agricultural machines and implements	10,276	23.2	21.3	55.5
Tractor industry	4,566	2.0	2.5	95.5
Automobile industry	6,775	6.2	8.3	85.5
River boats	892	29.2	20.4	50.4
Equipment for communication	4,442	42.1	26.2	31.7
Equipment for cultural supplies	851	24.5	15.2	60.3
Metal wares	26,153	28.3	29.8	41.9
Machine parts	3,087	29.2	18.2	52.6
Instruments	7,025	30.3	26.9	42.8

¹ According to data of equipment inventory of April 10, 1932.

Table No. 13

**ELECTRIFICATION OF MACHINE-TOOLS OF METAL
WORKING INDUSTRIES IN THE U.S.S.R.¹**

Industry	% of electrically driven metal cutting machine-tools with individual or group motor	% of metal cutting machine-tools with individual motor
All metal working industries	97.5	37.2
Machine building	97.9	40.4
Boiler equipment	88.5	29.7
Electric power equipment	99.5	89.6
Precision machinery	99.6	51.9
Metal working machine-tools	98.3	39.4
Equipment for oil and mining industries	99.1	40.2
Equipment for metallurgy	98.6	38.8
Equipment for food industry	90.0	30.5
Construction and road-making machinery	86.5	18.5
Machinery for structural iron	92.2	48.0
Agricultural machines and implements	98.1	37.2
Tractor industry	99.9	82.2
Automobile industry	99.0	82.0
River boats	100.0	27.0
Equipment for communication	99.9	44.4
Equipment for cultural supplies	99.0	54.8
Metal wares	95.7	25.0
Machine parts	97.8	40.2
Instruments	94.9	26.3

¹ According to data of equipment inventory taken on April 10, 1932.

BLAST FURNACES IN U.S.S.R., GROUPED ACCORDING TO VOLUME

At beginning and end of the Five-Year Plan period

Volume of furnaces	South		East		Central		Total	
	Oct. 1 1928	Jan. 1 1933	Oct. 1 1928	Jan. 1 1933	Oct. 1 1928	Jan. 1 1933	Oct. 1 1928	Jan. 1 1933
Up to 100 cu. m.	—	—	5	5	3	6	8	11
101-200 cu. m.	1	—	24	30	—	—	25	30
201-300 cu. m.	1	3	3	7	—	—	4	10
301-400 cu. m.	8	4	—	1	2	2	10	7
401-500 cu. m.	13	19	—	—	—	—	13	19
501-600 cu. m.	4	3	—	—	1	2	5	5
601-700 cu. m.	4	9	—	—	—	1	4	10
701-800 cu. m.	—	2	—	—	—	—	—	2
801-900 cu. m.	—	3	—	2	—	—	—	5
901-1000 cu. m.	—	1	—	—	—	—	—	1
Over 1000 cu. m.	—	—	—	2	—	—	—	2
Total	31	44	32	47	6	11	69	102

Table No. 15

OPEN HEARTH FURNACES IN U.S.S.R., GROUPED ACCORDING TO HEARTH AREA

At beginning and end of the Five-Year Plan period

Hearth area of furnaces	South		Central		East		Total	
	Oct. 1 1928	Jan. 1 1933	Oct. 1 1928	Jan. 1 1933	Oct. 1 1928	Jan. 1 1933	Oct. 1 1928	Jan. 1 1933
Up to 20 sq. m.	33	41	34	43	27	30	94	114
21-30 sq. m.	34	39	19	23	14	19	67	81
31-40 sq. m.	17	21	3	9	12	16	32	46
41-50 sq. m.	6	16	—	1	1	1	7	18
51-70 sq. m.	2	3	—	—	—	3	2	6
Total	92	120	56	76	54	69	202	265

Table No. 16

RECONSTRUCTION OF OIL INDUSTRY

	1913	1924-25	1927-28	1932		
				Amount	In percentage to	
					1913	1927-28
A. Total drilled (in thous. metres) .	277	182	362	743	268.2	205.2
By rotary drilling (in thous. m.) .	—	75	256	700	—	273.4
Percentage to total	—	41.2	70.7	94.2	—	—
B. Extracted petroleum (thous. tons)	9,235	6,986	11,542	21,381	231.5	185.3
By hauling (in thous. tons)	8,686	2,536	721	75	0.9	10.4
Percentage to total extracted . .	94.1	36.3	6.3	0.3	—	—
By deep pumping (in thous. tons)	106	1,188	3,882	4,766	4,496.2	122.8
Percentage to total extracted . .	1.1	17.0	33.6	22.3	—	—
By compressors (in thous. tons) .	—	1,220	2,140	10,964	—	512.4
Percentage to total extracted . .	—	17.5	18.5	51.3	—	—
From gushers (in thous. tons) . .	443	1,886	4,654	5,192	1,172.0	111.6
Percentage to total extracted . .	4.8	27.0	40.3	24.3	—	—
Length of main pipe lines to terminals (in km.)	1,217	1,217	1,764	3,074	252.6	174.3

Table No. 17

**MECHANIZATION OF COAL PRODUCTION IN U.S.S.R. DURING
PERIOD OF FIVE-YEAR PLAN**

Coal Districts	Mechanized coal production				Mechanized production in 1932 in %/‰ to 1927-28 production
	1927-28		1932		
	In thous. tons	%/‰ to total production	In thous. tons	%/‰ to total production	
In whole coal industry	5,537.8	15.7	40,061.7	63.6	725.4
1. Donbas	5,024.0	18.4	31,614.2	71.9	629.3
2. Moscow Basin	28.0	2.4	1,604.4	56.5	5,730.0
3. Far East	—	—	812.2	40.9	—
4. Urals	434.1	22.3	1,476.2	47.4	340.2
5. Kuzbas	44.5	1.8	3,188.4	44.8	7,164.9
6. Eastern Siberia	7.2	0.8	1,053.7	48.3	14,634.7
7. Central Asia	—	—	312.6	42.5	—

Table No. 18 NUMBER OF MACHINES IN COAL INDUSTRY IN U.S.S.R., 1928 and 1932

	Heavy Cutting Machines			Pneumatic Pick Hammers		
	Oct. 1 1928	Dec. 1 1932	In %/‰ to Oct. 1 1928	Oct. 1 1928	Dec. 1 1932	In %/‰ to Oct. 1 1928
Donbas	530	1,304	246.0	60	5,220	8,700.0
Moscow Basin	6	27	450.0	11	598	5,436.4
Urals	13	55	423.1	—	321	—
Kuzbas	—	53	—	—	738	—
Eastern Siberia	1	25	2,500.0	—	—	—
Far East	—	—	—	—	445	—
Central Asia	—	6	—	—	54	—
Total for U.S.S.R.	550	1,470	267.3	71	7,376	10,388.7

Table No. 19

RAILWAY TRANSPORT

	1913	1928	1932	Planned for 1932-33 in 5-year Plan	1932 in % to		
					1932-33 in 5-yr. Plan	1928	1913
A. Operation length of railway lines, in thous. km.	58.5	76.9	83.4	94.0	88.7	108.5	142.6
B. Freight traffic							
Freight carried, in bil- lion t./km.	65.7	93.4	169.3	162.7	104.1	141.3	257.7
Density of traffic per km. of operation length of railway lines, in thous. t./km.	1,123.0	1,213.0	2,030.0	1,730.0	117.3	167.3	180.8
C. Passenger traffic							
Total passengers car- ried, in bill. psgr./km.	25.2	24.5	84.1	35.4	237.6	343.3	333.7
Density of traffic per km. of operation length of railway lines in thous. psgr./km. . .	432.0	320.0	1,008.0	402.0	250.7	315.0	133.9
D. Total load carried in t./km.	90.9	117.8	253.4	198.1	127.9	315.1	178.8

	1913		1928		1932		
	Total area sown	Total area sown	Sown by		Total area sown	Sown by	
			State farms	Collective farms		State farms	Collective farms
Total sown area (for all crops)	105.00	112.99	1.74	1.37	134.43	13.5	91.57
Under all grain crops . .	94.36	92.17	1.10	1.04	99.71	9.30	69.12
Under wheat	31.65	27.73	0.35	0.45	34.83	4.51	26.98
Under industrial crops	4.55	8.62	0.32	0.16	14.88	0.97	11.35
Cotton	0.69	0.97	0.02	0.02	2.17	0.15	1.43
Long fibre flax	—	1.36	0.01	0.01	2.51	0.05	1.59
Sugar beet (for refining)	0.65	0.77	0.20	0.01	1.54	0.20	1.11

Table No. 21

INCREASE OF SOWN AREA AND THE SHARE OF THE STATE AND COLLECTIVE FARMS IN THE TOTAL SOWN AREA

	Percentage of area sown in 1932 to that sown in		Share in % of area sown by State and collective farms			
			1928		1932	
	1913	1928	State farms	Collective farms	State farms	Collective farms
Total sown area (for all crops) . .	128.0	119.0	1.5	1.2	10.0	68.1
1. Total grain area	105.7	108.2	1.2	1.1	9.3	69.3
Wheat	109.4	124.9	1.3	1.6	12.7	77.9
2. Industrial crops	327.0	172.6	3.7	1.9	6.5	76.3
Cotton	314.5	223.7	1.5	1.8	6.9	65.8
Long fibre flax	—	184.6	0.3	0.7	2.0	63.3
Sugar beet (for refining)	236.9	200.0	26.0	1.6	13.0	72.1

Table No. 22

**MAIN INDICES OF STATE FARM CONSTRUCTION
DURING PERIOD 1928-32**

	1928	1932	1932 percent to 1928
A. Total number of State farms . .	3,125	10,203	326
Of which:			
Large trustified State farms . . .	—	4,523	—
B. Sown area (in thous. hectares) .	1,735	13,557	781
C. Livestock in large State farms (at end of year, in thous. head)			
1. Total large horned cattle . . .	180	2,100	1,166
Of which: Cows	60	1,150	1,916
2. Sheep and goats	747	4,400	588
3. Hogs	30	950	3,166
D. Power equipment			
1. Number of tractors ¹	6,719	72,960	—
2. Capacity of tractors (in thous. h.p.)	77.6	1,353	—
² / ₃ of mechanized traction	51.7	67	—
E. Average yearly number of workers (in thousands)	345.4	1,046.6 ²	598

¹ The number of tractors for 1928 is given as of October 1.

² The average yearly number of workers for 1932 is based on the preliminary estimate of the Labour Sector of the Central Board of National Economic Accounting.

able No. 23

MAIN INDICES OF COLLECTIVE FARM CONSTRUCTION

	1928	1932	1932 to 1928 (in percentage)
A. Collective Farms			
1. Number of collective farms (in thous.)	33.3	209.6	629.4
2. Number of former individual farms in them (in thous.)	416.7	14,707.7	3,529.4
3. Percentage of collectivized farms	1.7	61.5	—
4. Sown area (in thous. hectares)	1,370	91,579	6,684.5
5. Per cent to total area sown by peasants	1.2	75.6	—
B. Machine and Tractor Stations			
1. Number of MTS	None	2,115 ¹	—
2. Served by the MTS (in thous.) .			
Collective farms	„	71.8 ¹	—
Former individual farms in them	„	6,826.0	—
3. Percentage of those served by MTS to total			
Collective Farms	—	34.3 ¹	—
Former individual farms in them	—	45.4	—
4. Area sown by collective farms served by MTS (in thous. hectares)	—	50,686	—
Percentage to total area sown by all collective farms	—	55.3	—
C. Tractor Supply of Collective Farms and MTS			
1. Number of tractors	10,854 ²	98,207 ³	904.3
2. Capacity (in thous. of h.p.) . .	108.9	1,272.9	1,168.8
Machine Hay Mowing Stations			
1. Number of HMS	None	417	—
2. Number of collective farms served by HMS		7,725	—
3. Area harvested by HMS (in thous. hectares)	—	6,684	—
4. Percentage to total hay harvested area	—	15.2	—
5. Percentage to hay harvested area of collective farms	—	20.0	—

¹ As of July 1, 1932.² As of September 1, 1928, in collective farms.³ As of January 1, 1933.

Table No. 24

LABOUR

	1928	1932	Planned for 1932-33 in Five-Year Plan	1932 in %/o to	
				1932-33 as planned for in 5-yr. Plan	1928
A. Total number of workers and employees yearly average—in thous.	11,599.0	22,804.3	15,763.7	144.7	196.6
1. In industry as a whole ..	3,534.0	6,781.1	4,602.7	147.3	191.9
Including census industries ..	3,126.0	6,411.1	4,080.1	157.1	201.9
2. In transport and communication ..	1,365.0	2,383.0	1,544.7	154.3	174.6
Including those in railway transport ..	971.0	1,468.1	1,007.2	145.8	151.2
3. In construction ..	723.0	3,125.8	1,882.5	166.0	432.3
4. In social and cultural institutions ..	1,188.0	2,004.1	1,549.8	129.3	168.7
Including those in educational institutions ..	789.0	1,349.6	1,031.1	130.9	171.1
5. In agriculture and forestry ..	2,007.0	3,905.1	2,867.0	136.2	194.6
Including those in MTS and State farms ..	345.4	2,280.6	—	—	660.3

B. Average yearly wages of workers and employees (in national economy as a whole) (in rubles)					
	703.4	1,432.4	994.0	144.1	203.6
1. In industry as a whole ..	843.1	1,470.1	1,187.0	123.9	174.4
Including those in census industries ..	870.0	1,478.4	1,231.0	120.1	169.7
2. In transport and communication ..	855.0	1,483.7	1,160.0	127.9	173.5
Including those in railway transport ..	859.0	1,500.8	1,189.0	126.2	174.7
3. In construction ..	996.0	1,544.9	1,334.0	115.8	155.1
4. In social and cultural institutions ..	665.0	1,492.9	1,042.0	143.3	224.5
Including those in educational institutions ..	678.0	1,630.0	1,108.0	147.4	240.4
5. In agriculture and forestry ..	305.9	957.9	415.0	230.8	313.1
Including those in MTS and State farms ..	327.4	902.8	—	—	275.7
C. Total wage earnings of workers and employees (in million rubles) . . .					
	8,158.8	32,667.3	15,675.9	208.4	400.4

Table No. 25

MUNICIPAL SERVICES — OPERATION INDICES

(Totals for all U.S.S.R.)

I. Tram Service

Number of cities with tram service		Number of tramcars as per inventory			Length of track (single)			Passenger traffic (in millions)			Number of journeys per inhabitant		
1928	1932	1928	1932	% inc.	1928	1932	% inc.	1928	1932	% inc.	1928	1932	% inc.
39	50	4,800	7,795	162.4	2,120	2,700	126.6	1,640	5,200	356.0	164	320	195.1

II. Autobus Service

Number of cities with bus service		Number of autobuses as per inventory			Number of passengers carried (in millions)		
1928	1932	1928	1932	% increase	1928	1932	% increase
40	117	466	1,456	312.2	119.5	305	257.1

III. Water Supply Systems

Number of cities with water supply		Length of water conduits (in kilometres)			Number of buildings served (in thousands)			Amount supplied during year (in million cu. m.)		
1928	1932	1928	1932	% inc.	1928	1932	% inc.	1928	1932	% inc.
203	366	8,288.3	10,570.0	127.2	128,521	182,643	142.1	296.5	585.0	197.3

IV. Sewer Systems

Number of cities with sewer system		Length of systems (in kilometres)			Number of buildings served (in thousands)		
1928	1932	1928	1932	% inc.	1928	1932	% inc.
35	55	1,831.8	2,596.0	141.8	32.5	52.0	160.0

Table No. 26

MAIN INDICES SHOWING THE DEVELOPMENT OF PUBLIC CATERING, 1928-1932

(The systems of Centrosoyuz and People's Commissariat of Supply)

	1928	1929	1930	1931	1932	1932 to 1928 in %/o	1932 in %/o to plan of 1932-33
Number of workers and employees served by public catering in the urban sector (in thousands; at end of year)	750	1,500	5,600	11,000	14,800	1,973.3	643.5
Output of public catering system in the urban sector (in thousands of dishes per day; end of year)	2,200	4,500	16,000	23,000	29,000	1,318.2	527.3
Turnover of public catering system in town and village (in million rubles in prices of corresponding year)	102	207	800	2,200	4,385	4,299.0	—
Capital investments in public catering system; Centrosoyuz and People's Commissariat of Supply (in million rubles) ¹	No data	8.5	29.5	37.0	75.0	—	—

¹ Capital investments shown in the tables do not include investments made by the three industrial People's Commissariats in connection with public catering. These investments, made from the funds assigned for improving the living conditions of the workers in industry, amounted to no less than 150 million rubles during the Five-Year Plan period.

Table No. 27.

HEALTH PROTECTION

	1928	1932	1932 in per-centage to 1928
1. Number of beds in hospitals and medical institutions in U.S.S.R. per 10,000 inhabitants	20.89	32.26	154.4
a) At service of urban population	76.50	93.30	122.0
b) At service of rural population	8.85	14.12	159.5
2. Average village population per one medical district	17,912.0	11,360.0	—
3. Total number of physicians	63,500.0	76,000.0	129.7

Data for beds include those in hospitals, sanatoriums, psychiatric institutions, on railways, etc.

UNIFIED FINANCIAL PLAN OF FIRST FIVE-YEAR PLAN AND ITS REALIZATION

(In billion rubles)									
	1928-29		1932		Realized in 4½ years		Five-Year Plan provision for 5 years		Realization in 4½ yrs. in % to provision in 5-yr. Plan
	Amount	In % to total	Amount	In % to total	Amount	In % to total	Amount	In % to total	
A. Revenues									
I. Income of socialized economy	9.6	73.8	35.8	80.3	80.9	74.9	70.9	77.4	126.8
Of which:									
Industry	4.3	33.5	18.6	41.6	43.4	36.1	33.5	36.6	129.6
II. Mobilized resources of population	2.3	17.7	8.2	18.4	21.5	17.9	17.3	18.9	121.4
Of which:									
a) obligatory payments	1.0	7.7	3.0	6.5	7.5	6.2	6.8	7.4	108.8
b) voluntary payments	1.3	10.0	5.2	11.9	14.0	11.7	10.5	11.5	133.3
III. Other income	1.1	8.5	0.8	1.3	8.7	7.2	3.4	3.7	255.9
Total Revenue	13.0	100.0	44.0	100.0	120.1	100.0	91.6	100.0	131.1
B. Expenditure									
I. Financing national economy	7.2	55.4	30.2	67.8	80.3	66.8	56.8	62.0	141.4
Of which:									
1. Industry	3.2	24.7	16.6	37.2	41.6	34.6	22.0	24.0	180.1
2. Agriculture	1.2	9.6	5.0	11.2	15.1	12.6	7.3	8.0	206.8
3. Transport and communication	1.4	11.1	4.9	10.9	12.5	10.4	10.2	11.1	122.5
II. Financing social and cultural construction	3.0	23.0	9.5	21.2	23.9 ¹	20.0	21.4	23.4	111.7
Of which:									
1. Education	1.4	11.0	5.7	12.1	14.1	11.7	10.4	11.4	135.6
2. Health protection	0.6	5.0	2.0	4.7	5.1	4.2	4.7	5.1	108.5
III. Administration and defence	1.6	12.3	2.5	5.6	9.0	7.5	10.0	10.9	90.0
IV. Other expenditures	1.2	9.3	2.4	5.4	6.9	5.7	3.4	3.7	202.9
Total Expenditures	13.0	100.0	44.6	100.0	120.1	100.0	91.6	100.0	131.1

¹ The expenditures on cultural requirements do not include the expenditures of economic organizations on capital construction for social and cultural needs,

amounting to (in million rubles):

1928-29	151.0
1932	790.5
4½ years	2,080.9

Table No. 29

UNIFIED STATE BUDGET DURING FIRST FIVE-YEAR PLAN PERIOD
(In billion rubles)

INDICES	1927-28		1932		Planned for 1932-33 by Five-Year Plan		Percentage of 1932 to		Realized in 4½ years	
	Amount	in %% to total	Amount	in %% to total	Amount	in %% to total	1932-33 as per Plan	1927-28	Amount	in %% to total
A. Revenues										
I. From socialized economy . . .	3.93	75.4	25.20	82.6	8.97	75.9	280.9	641.2	60.07	82.6
Of which: Industry	2.43	46.6	16.07	52.7	5.68	48.1	282.9	661.3	38.78	53.3
II. From direct payments of population	0.91	17.5	4.65	15.3	2.18	18.4	213.3	511.0	10.37	14.2
Of which: State loans	0.50	9.6	2.78	9.1	1.27	10.7	218.9	556.0	6.25	8.6
III. Miscellaneous	0.37	7.1	0.64	2.1	0.67	5.7	95.5	173.0	2.32	3.2
Total Revenues	5.21	100.0	30.49	100.0	11.82	100.0	257.6	585.0	72.76	100.0
B. Expenditure										
I. Financing national economy	2.41	47.7	22.81	75.7	5.85	49.5	389.9	946.5	50.24	69.8
Including:										
a) Industry (exclusive of food)	0.66	13.0	11.87	39.4	1.67	14.1	710.8	1,798.5	22.99	32.0
b) Agriculture	0.26	5.1	3.62	12.0	0.93	7.9	389.2	1,392.2	8.54	11.9
c) Transport and com- munication	0.97	19.2	3.85	12.8	2.13	18.0	180.8	396.9	10.42	14.5

II. Financing social and cultural construction	0.41	8.1	1.79	5.9	1.08	9.1	165.7	497.2	4.61	6.4
Including:										
a) Education	0.31	6.1	1.63	5.4	0.85	7.2	191.8	603.7	4.12	5.7
b) Health protection	0.05	1.0	0.09	0.3	0.10	0.8	90.0	225.0	0.27	0.4
III. Administration and defence	1.20	23.7	1.84	6.1	1.63	13.8	112.9	153.3	6.95	9.7
IV. Miscellaneous	1.04	20.5	3.72	12.3	3.26	27.6	114.1	341.3	10.16	14.1
Of which: Funds transferred to local budgets	0.68	13.4	1.54	5.1	2.29	19.4	67.2	226.5	5.33	7.4
Total Expenditures	5.06	100.0	30.16	100.0	11.82	100.0	255.2	596.0	71.96	100.0

Notes: To render comparable the State budget as fulfilled in 1932 with the budget of 1927-28 and the Five-Year Plan budget for 1932-33, the revenues and expenditures in the budget for all years as given in the table exclude: a) the operating expenses of transport and communication from the expenditure and the corresponding sums from their revenue side; b) the taxes from the private sector from the revenues of the budgets and the corresponding reductions in the funds transferred to the local budgets from the expenditure.

The revenues of the State budget as given in the table do not include the balance left upon the fulfilment of the budgets of the preceding years and the expenditures do not include the excess of the revenues over the expenditure.

Table No. 30

FINANCING OF SOCIAL AND CULTURAL SERVICES DURING FIRST FIVE-YEAR PLAN PERIOD

	(In million rubles)								
	1927-28 Amount	1932		Planned for 1932-33 by Five-Year Plan		1932 in %% to 1932-33 as per Plan	Planned for 5 yrs. by Five- Year Plan	Realized in 4½ years	Realization in %% to Plan
		Amount	in %% to 1927-28	Amount	in %% to 1927-28				
Total Expenditures	2,445	10,242	418.9	6,379	260.9	160.6	22,796	26,027	114.2
Of which:									
1. Education	1,063	6,411	603.1	3,349	315.1	191.4	11,290	15,413	136.5
2. Health protection	648	2,106	325.0	1,382	213.3	152.4	5,205	5,376	103.3
3. Social welfare and labour protection	734	1,725	235.0	1,648	224.5	104.7	6,301	5,238	83.1
Sources of Appropriation									
1. State budget	414	1,701	432.6	1,198	289.4	149.5	4,190	4,603	109.9
2. Local budgets	850	2,967	549.1	2,157	253.8	157.6	7,641	8,320	108.9
3. Social insurance	921	2,692	292.3	1,928	208.8	140.0	7,215	7,063	97.9
Of which:									
Medical aid fund	358	927	258.9	446	124.6	207.8	1,770	2,130	120.3
4. Socialized wage fund	—	—	—	449	—	—	1,130	—	—
5. Contributions of econ- omic organizations	— ¹	791	—	— ¹	—	—	— ¹	2,081	—
6. Miscellaneous	260	2,001 ²	769.6	652	250.8	506.9	2,620	3,960 ²	151.1
Total from all sources	2,445	10,242	418.9	6,379	260.9	160.6	22,796	26,027	114.2

¹ Expenditures of economic organizations on capital construction for cultural services in 1927-28, in the provisions of the Five-Year Plan for 1932-33 and in the Five-Year Plan as a whole, were covered by appropriations in the State budget.

² This sum includes contributions from the following sources (in million rubles):

Total Miscellaneous	2,001	For 4½ years 3,960
Including:		
a) Contributions of economic organizations for training cadres, amounting to 4 per cent of the pay rolls	652	1,204
b) Contributions of trade unions . . .	571	1,248
c) Contributions of co-operative organizations	251	627

Table No. 31

CADRES

	1914	1927-28	1932	Planned for 1932-33 by Five- Year Plan	1932 in percentage to		
					1932-33 as per Five- Year Plan	1927-28	1914
I. Number of students in higher and specialized schools at end of year:							
1. In higher technical schools, universities and academics (in thous.)	124.7	160.0	501.3	196.0	255.7	313.3	402.0
2. In secondary technical schools (in thous.)	267.0	253.6	949.2	327.0	290.2	374.8	796.4
3. In factory schools (in thous.)							
4. In workers' colleges (in thous.)	—	49.2	444.4	72.0	617.2	903.3	—
II. Number of specialists with completed higher and secondary technical education:							
1. Engaged in the productive spheres of national economy (in thous.)	—	146.0	375.0	—	—	256.8	—
2. Teachers (in thous.)	—	211.5	387.2	—	—	183.1	—
3. In medical service (in thous.)	—	135.5	211.0	—	—	155.7	—
III. Specialists in industry (graduate engineers and technicians and those with practical training; per 100 workers)	—	3.8	6.9	—	—	181.6	—

Table No. 32

EDUCATION

	1914	1927-28	1932	1932 in percentage to 1927-28 1914	
A. Literacy level					
(percentage of population between ages of 8 and 50 years)					
General	—	58.4	90.0	—	—
Urban	—	78.5	97.0	—	—
Rural	—	48.3	88.0	—	—
B. Number of pupils in elementary and second- ary schools (in thous.) .					
	7,800.0	11,279.0	23,113.0	204.9	296.3
Of which:					
Elementary schools					
(in thous.)	7,235.0	9,870.0	18,754.0	190.0	257.4
Secondary schools (in thous.)					
	565.0	1,409.0	4,359.0	309.3	771.5
Children of 8 to 11 years in elementary schools, in percentage to total					
	—	51.4	98.0	—	—
C. School buildings (in millions of cu. m.) . . .					
	—	91.3	143.2	156.8	—
D. Children in pre-school institutions (in thous.) .					
	—	308.0	5,232.0	1,698.7	—
Percentage of children of three to seven years in pre-school institutions .					
	—	1.6	23.7	—	—

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