



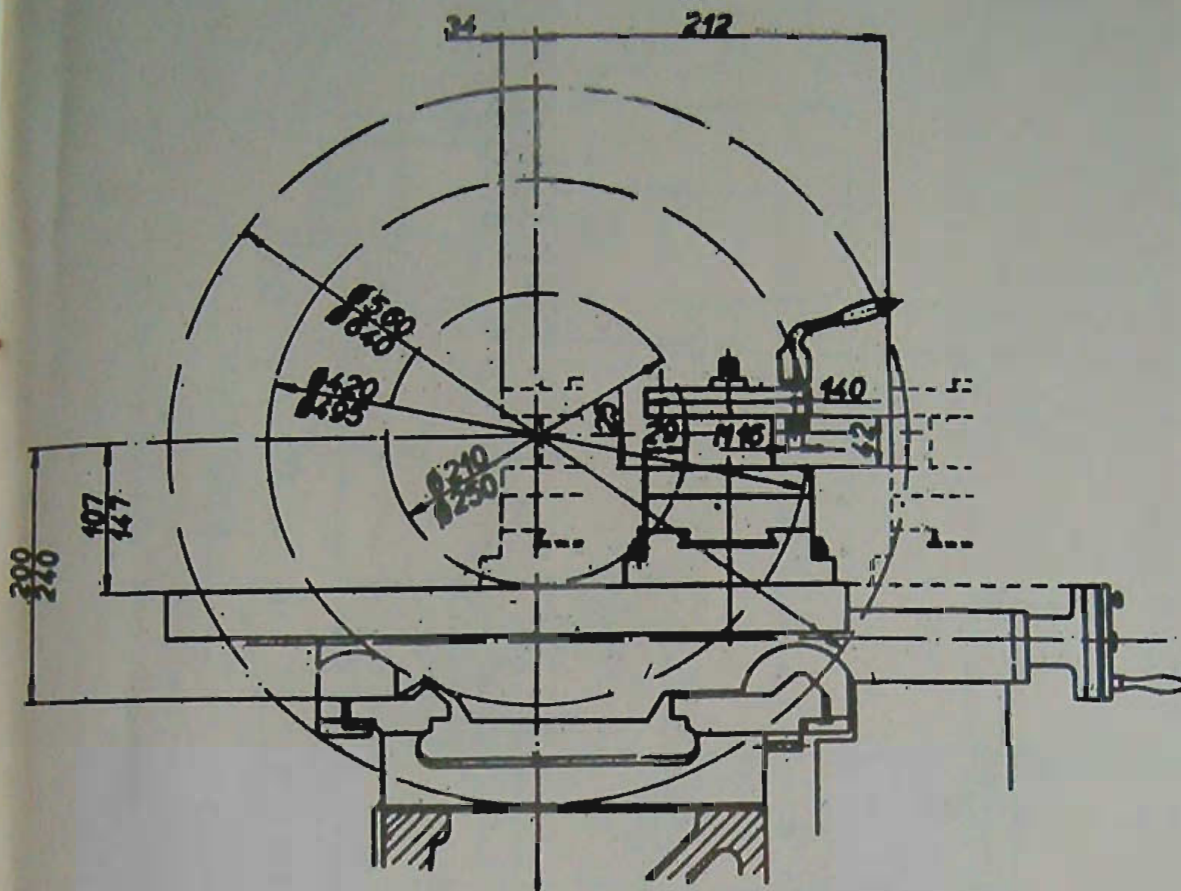
MASHSTROY

TROYAN

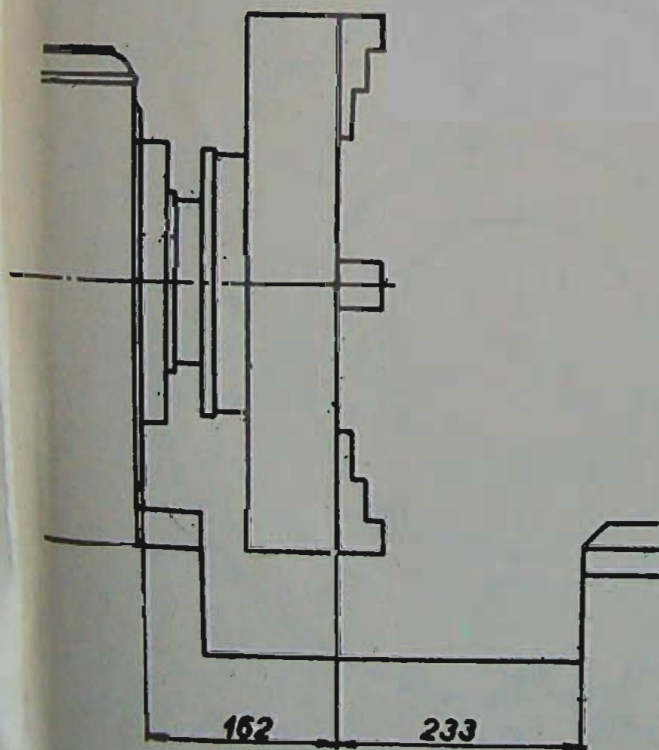
C11M

C11B

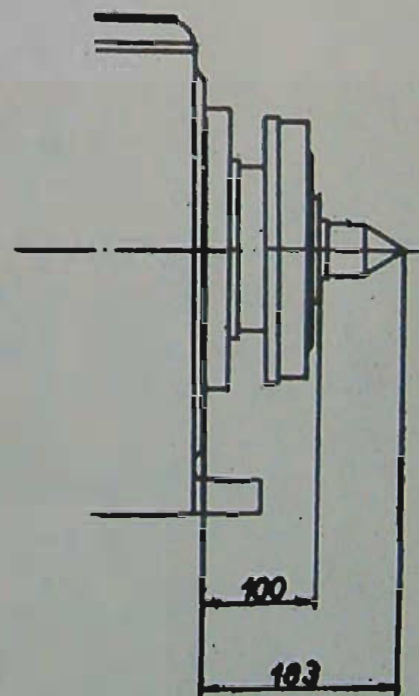
UNIVERSAL LATHE



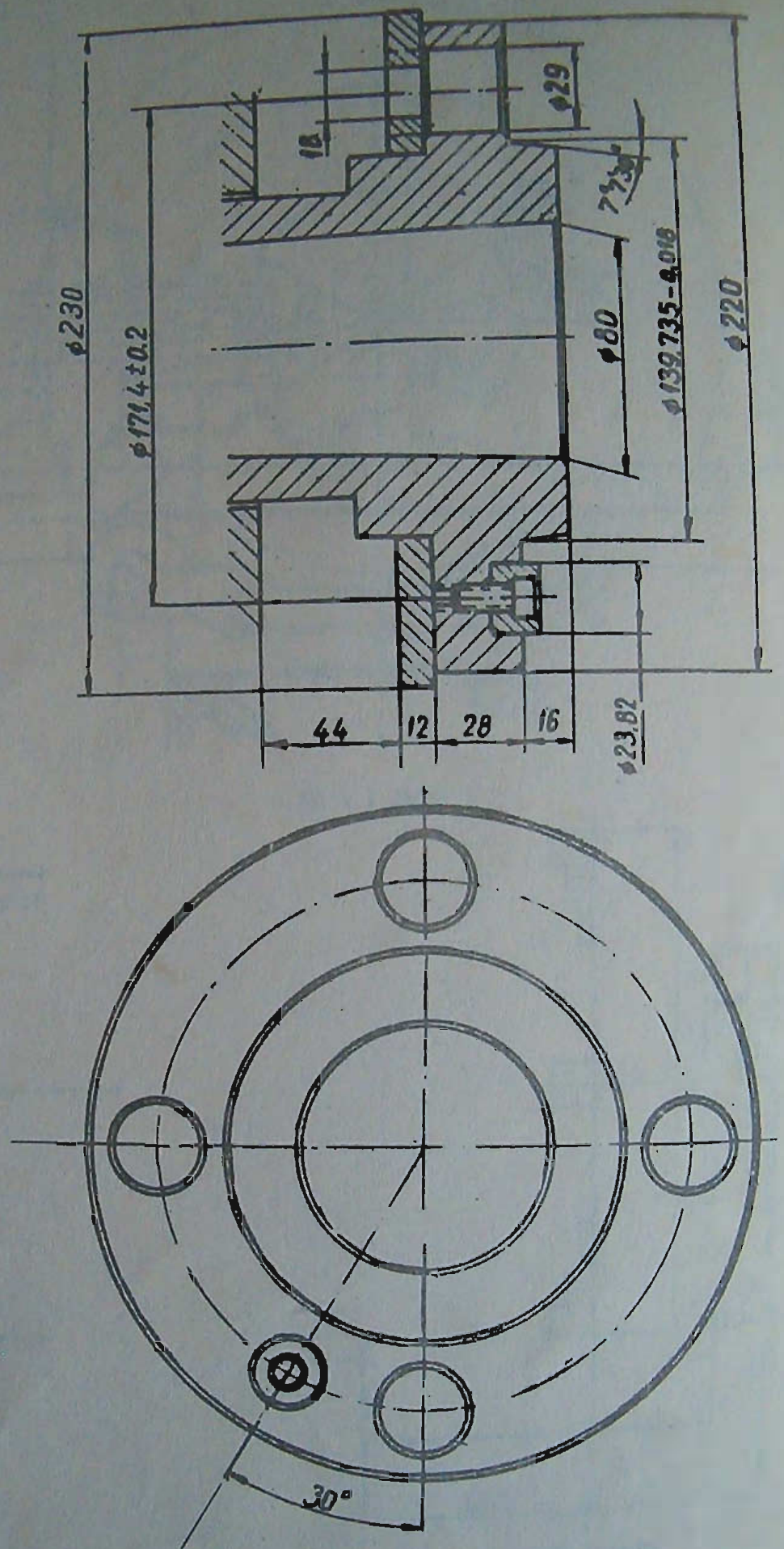
Фиг. 1 Fig.



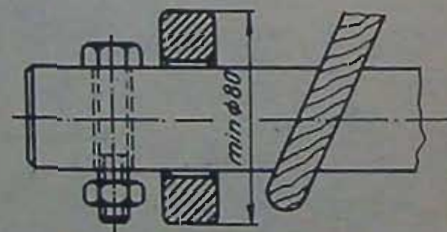
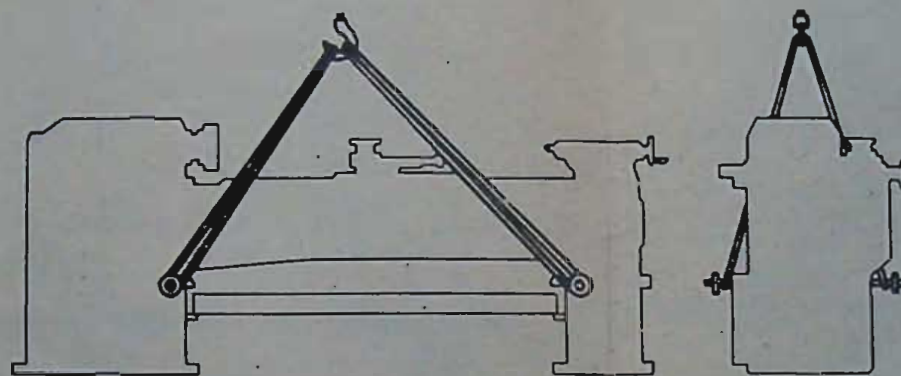
Фиг. 2 Fig.



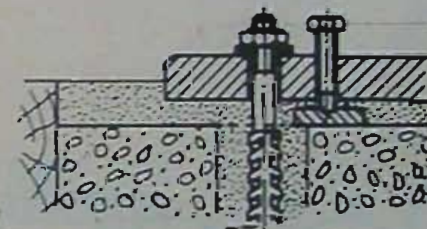
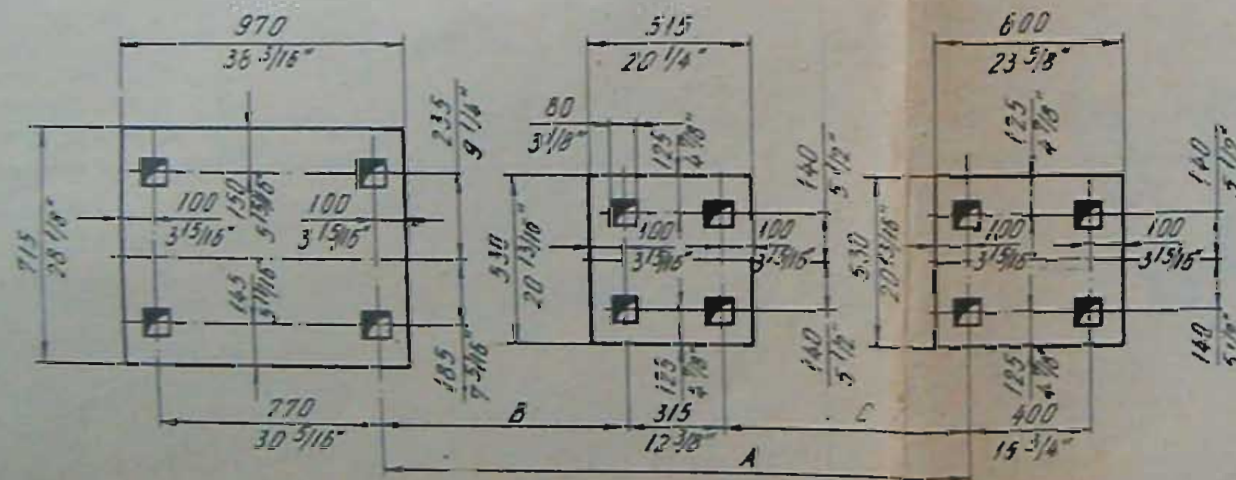
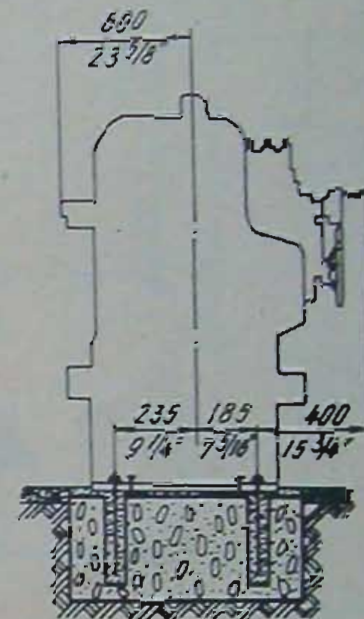
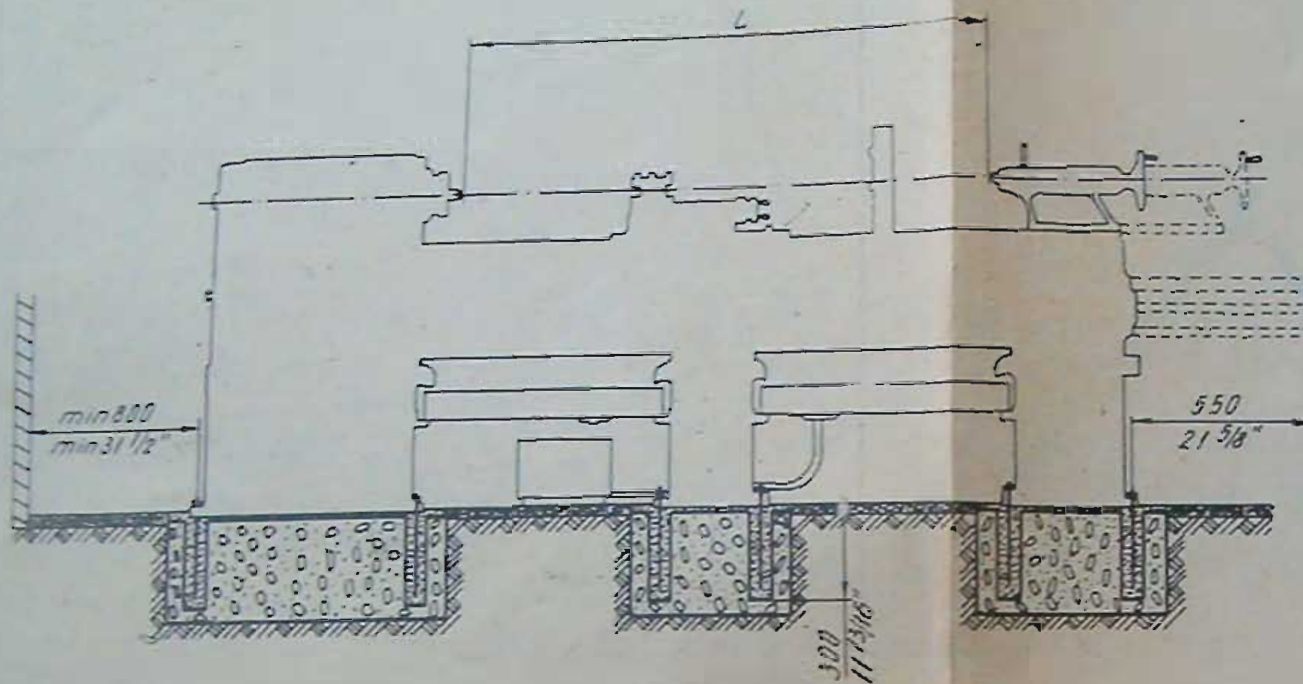
Фиг. 3 Fig.



Фиг. 4 Fig.

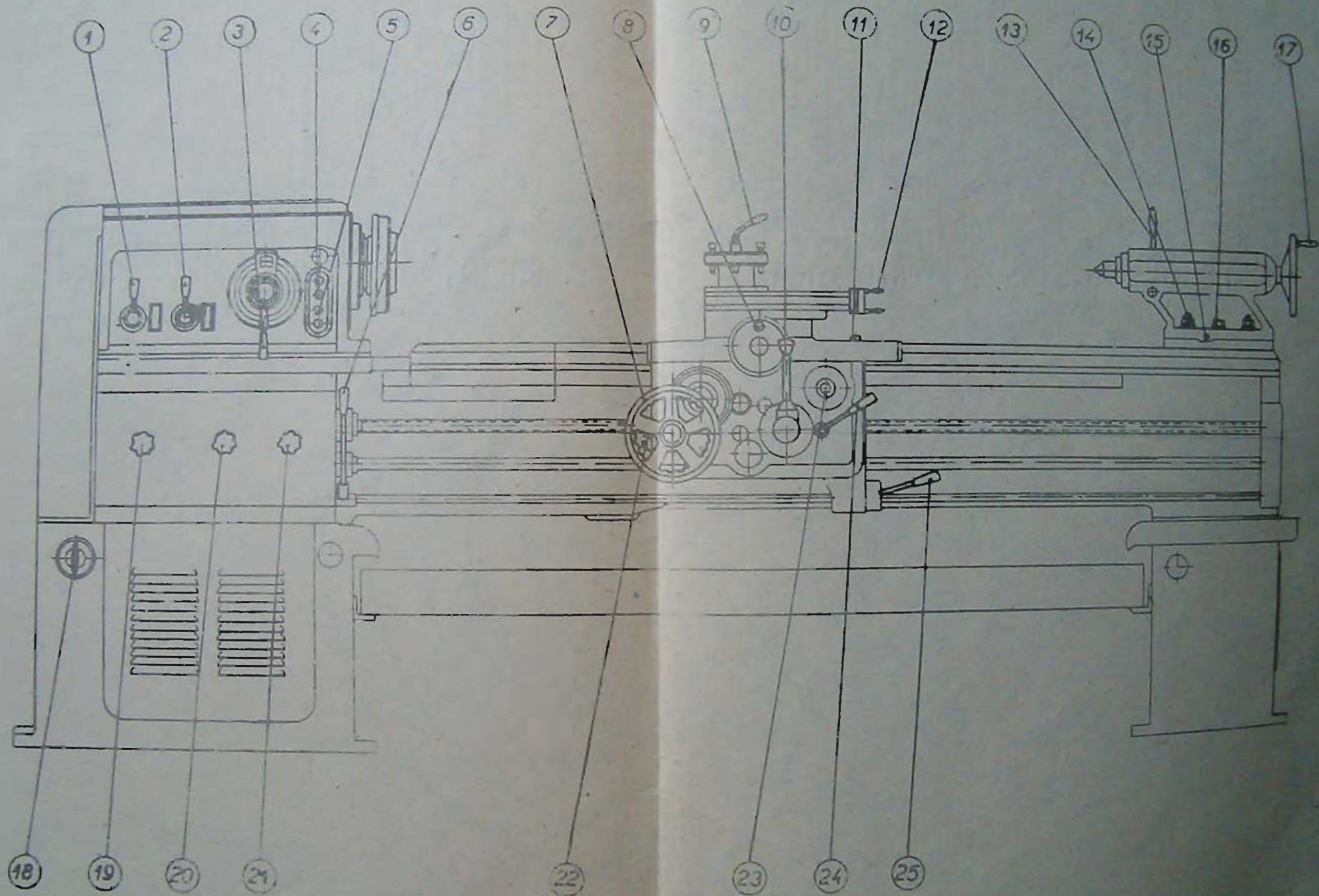


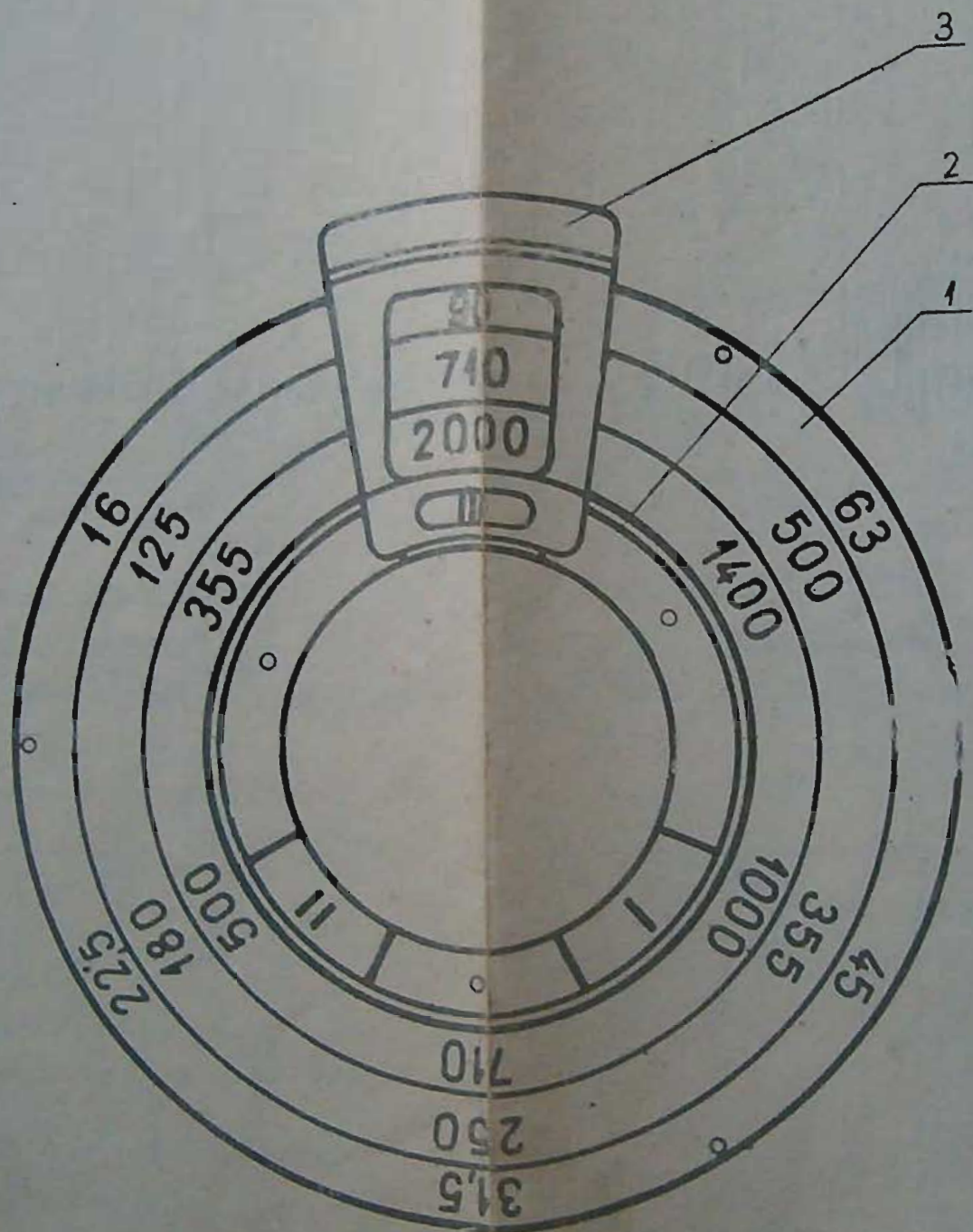
Фиг. 5 Fig



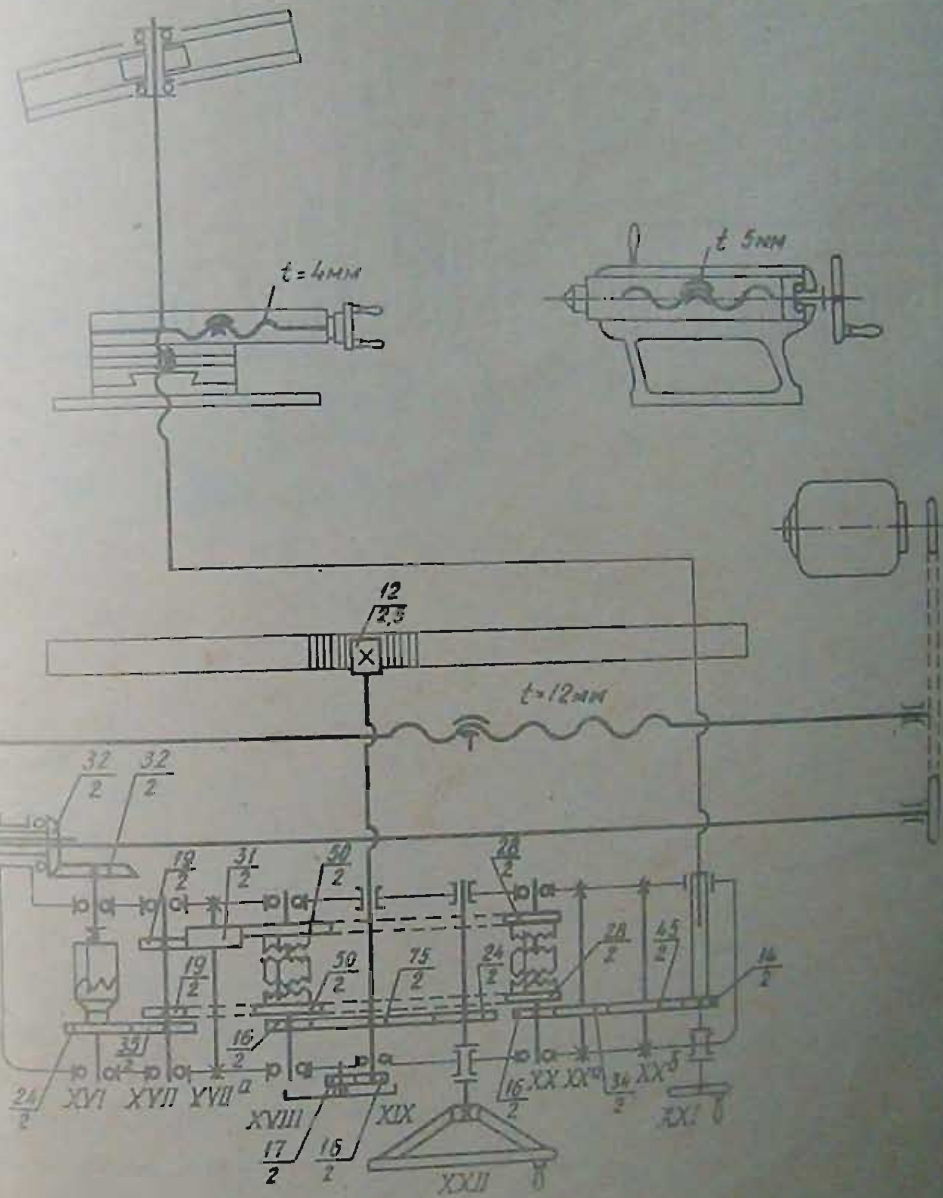
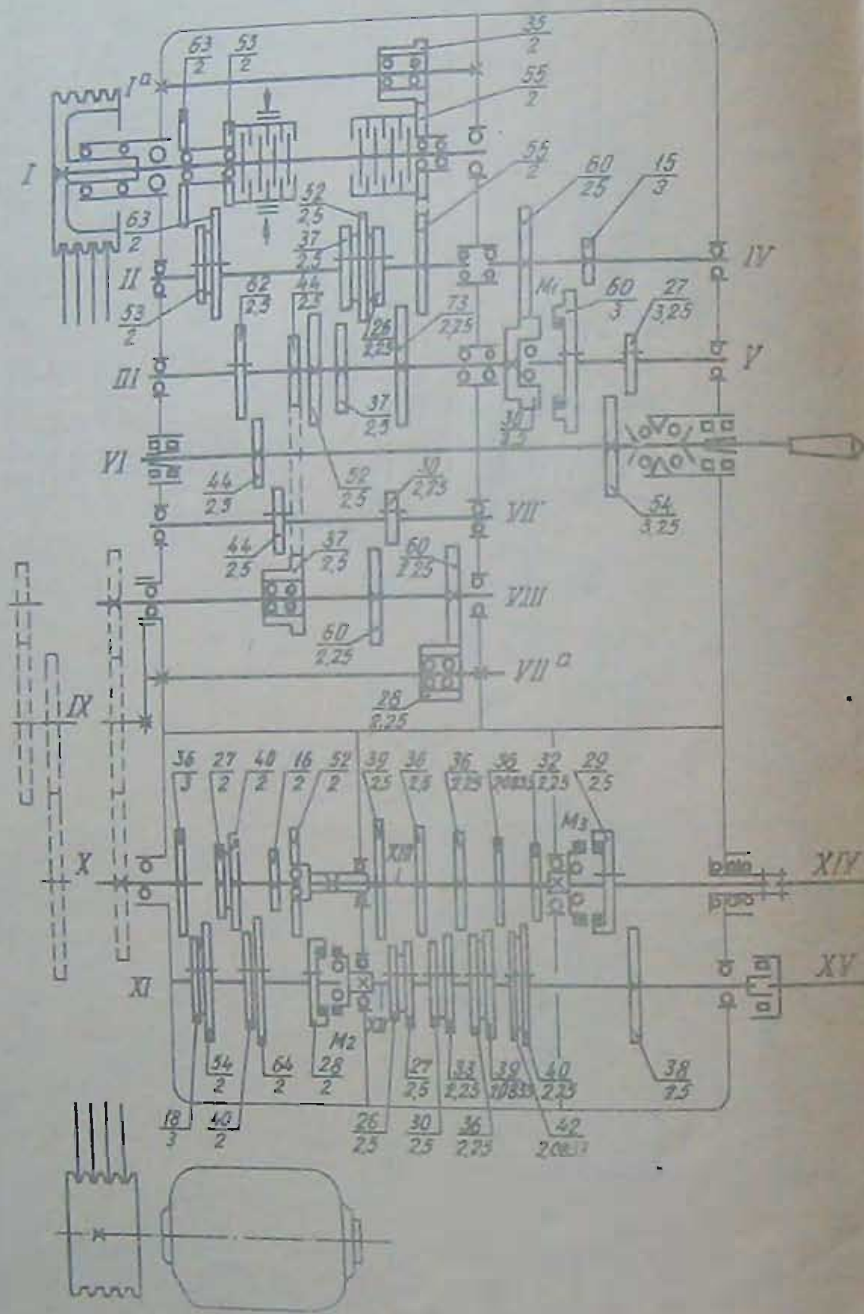
Out 6 Fig

L	A	B	C
500 19 1/16"	802 31 1/2"	—	—
750 29 1/2"	1052 41 3/8"	—	—
1050 41 3/8"	1302 51 1/5"	—	—
1550 61"	1862 70 3/4"	—	—
2050 78 3/4"	2302 90 3/4"	995 39 1/4"	992 39 3/16"
2500 98 1/8"	2802 110 1/4"	1245 49 3/16"	1242 49"
3000 118"	3302 130"	1495 58 1/8"	1492 58 3/4"



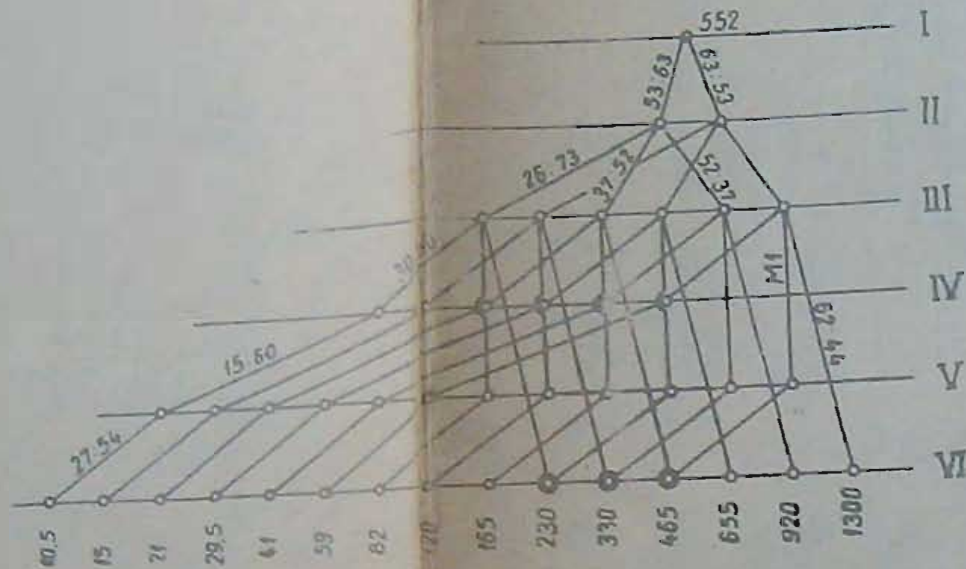


Фиг. 8 Fig.

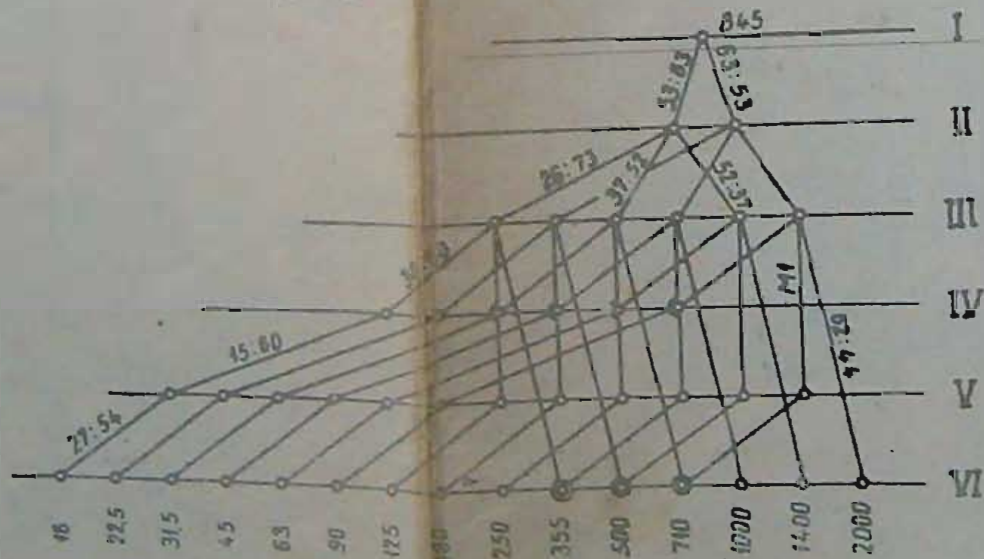


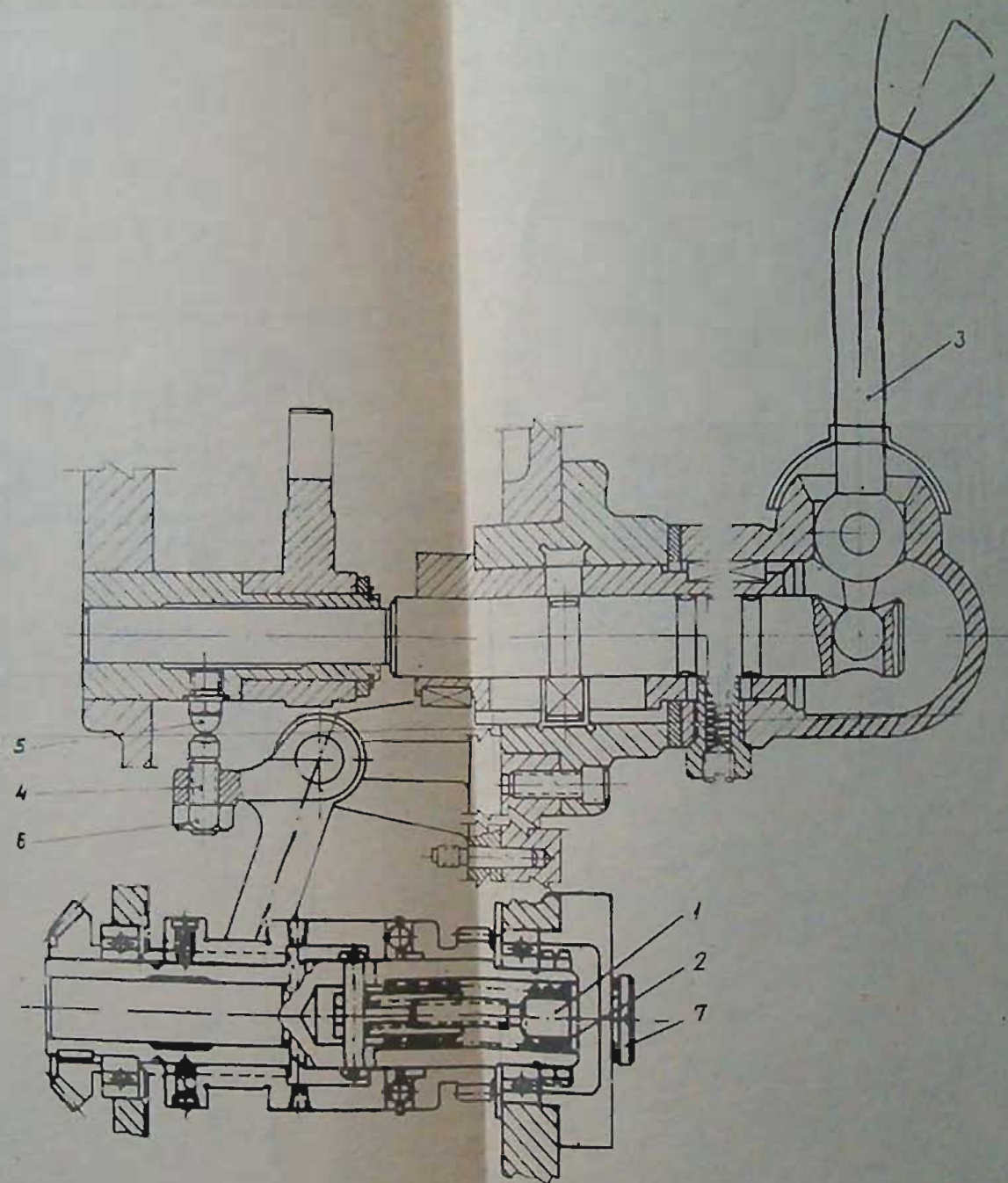
Фиг. 9 Fig

$N = 4 \text{ kW}$

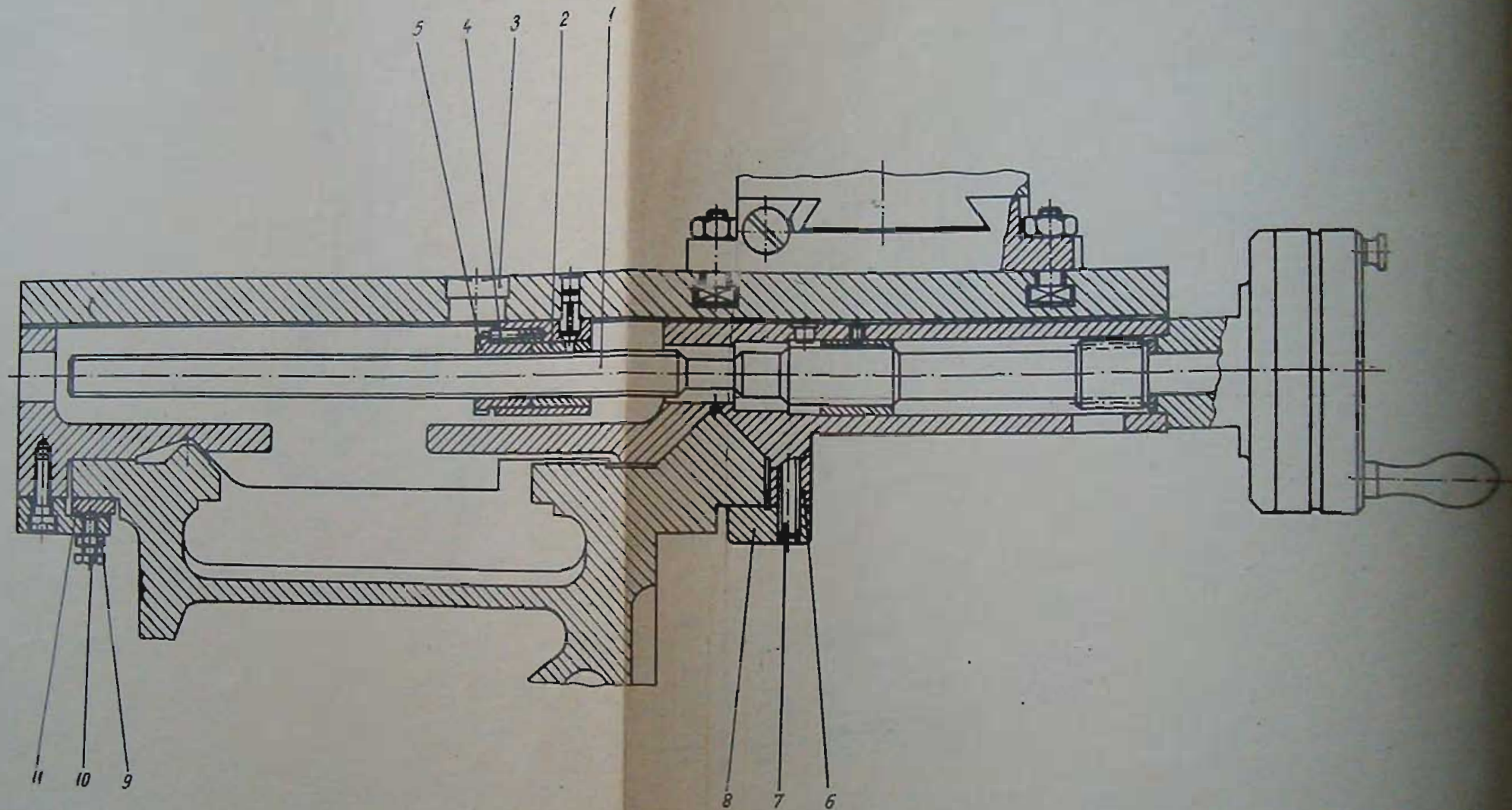


$N = 55 \text{ kW}$ $N = 7.5 \text{ kW}$

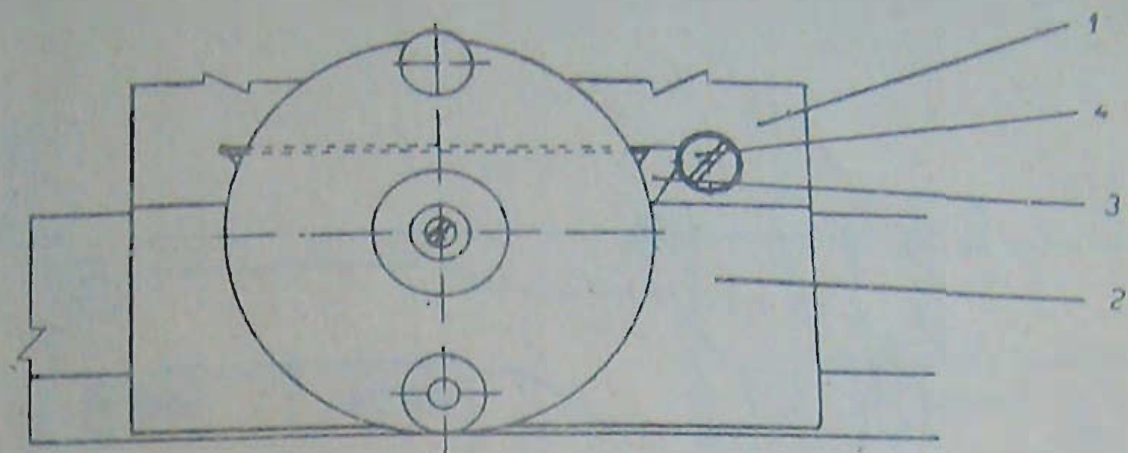




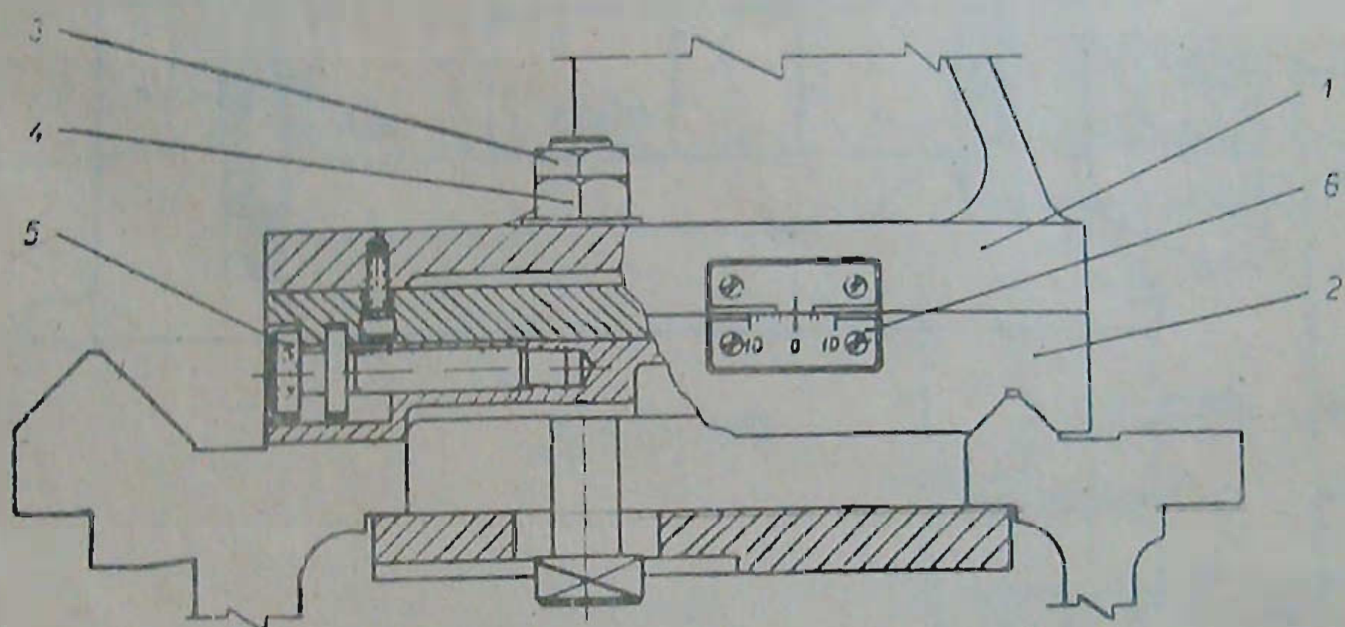
Фиг. 23 Fig.



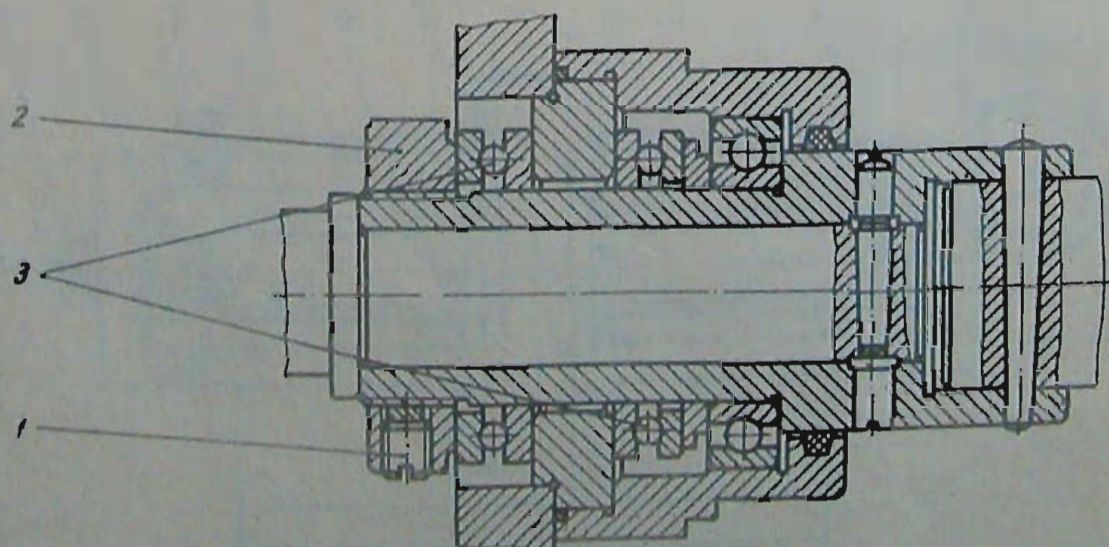
Фиг. 24 Fig.



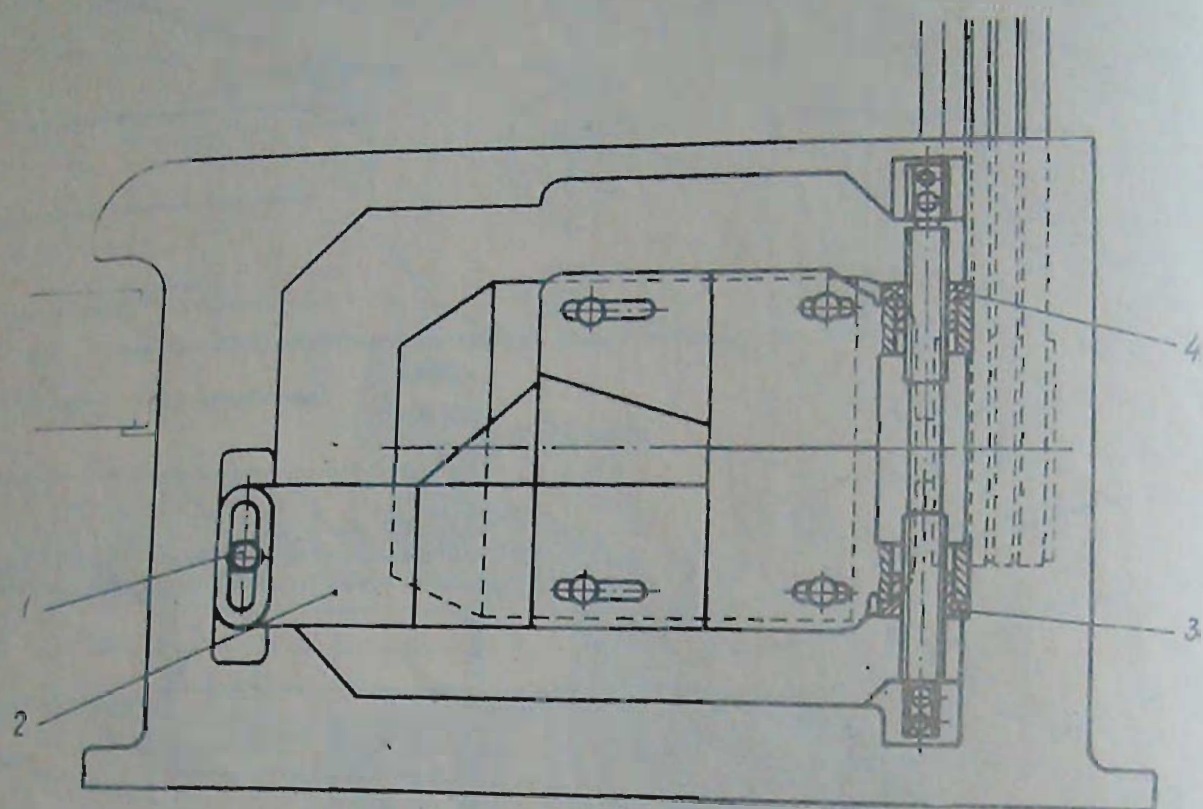
Фиг. 25 Fig.



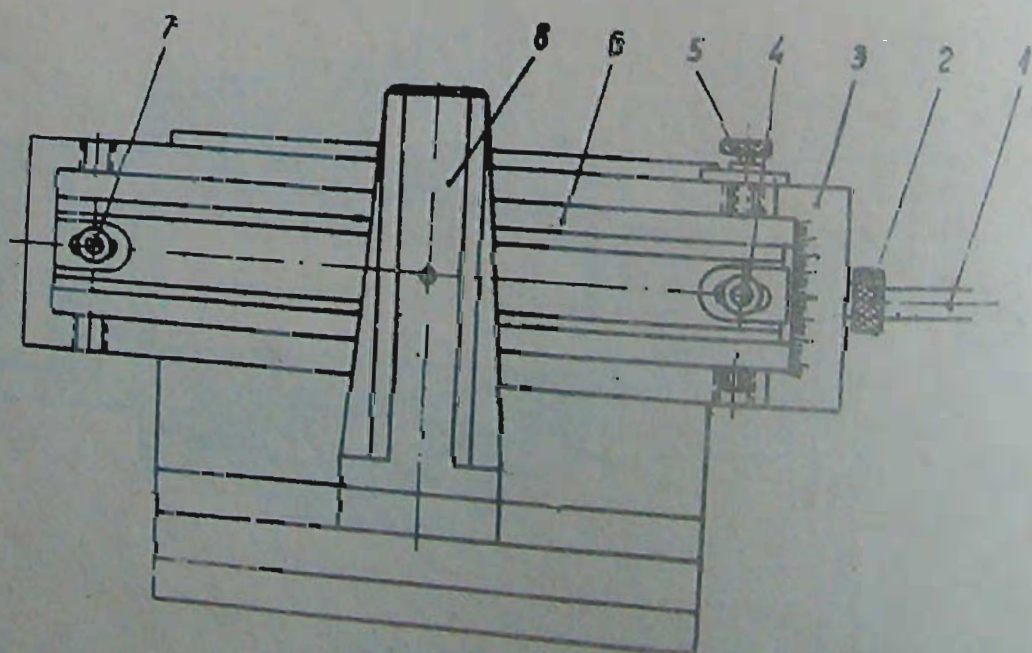
Фиг. 26 Fig.



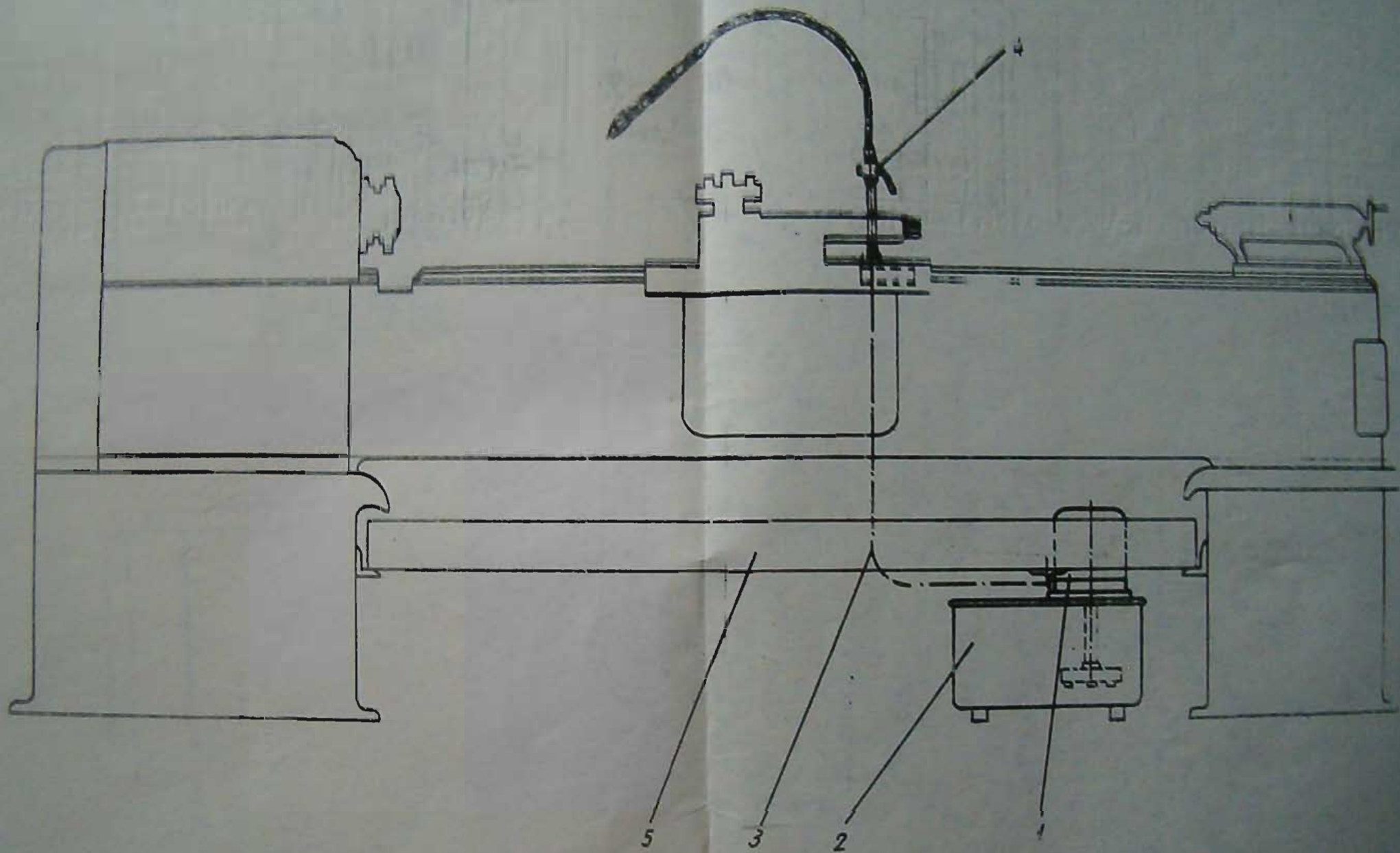
Фиг. 27 Fig.



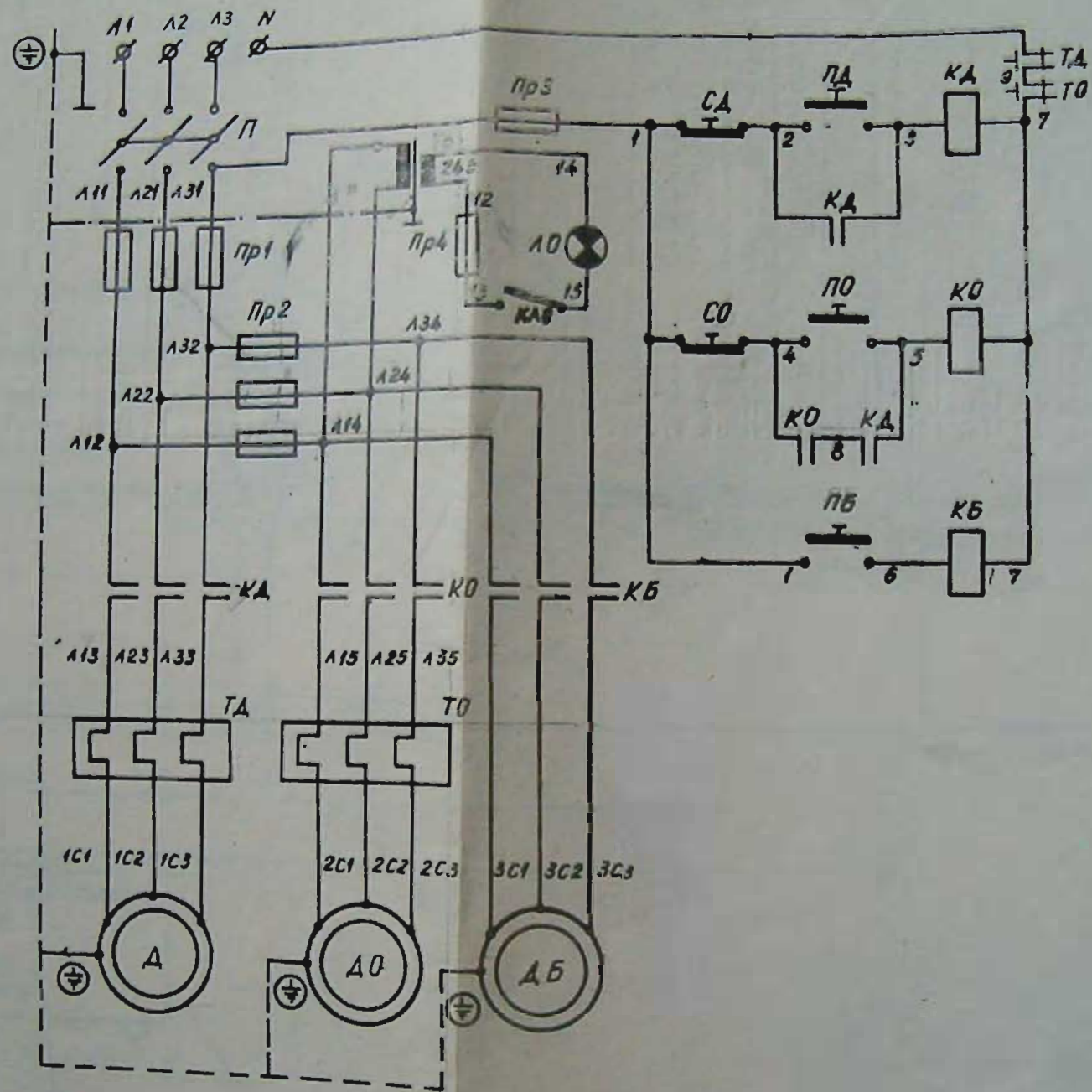
Фиг. 28 Fig.

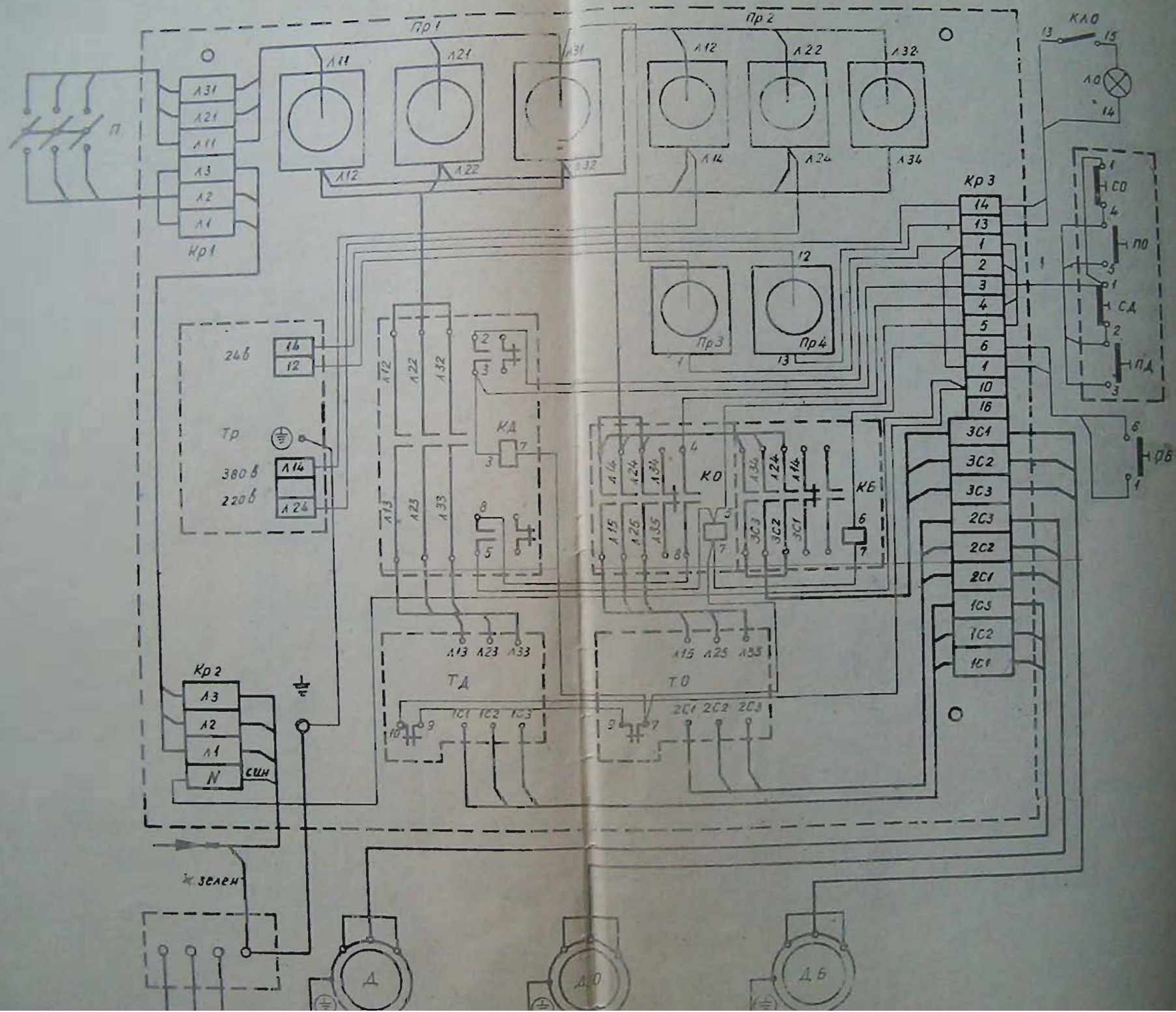


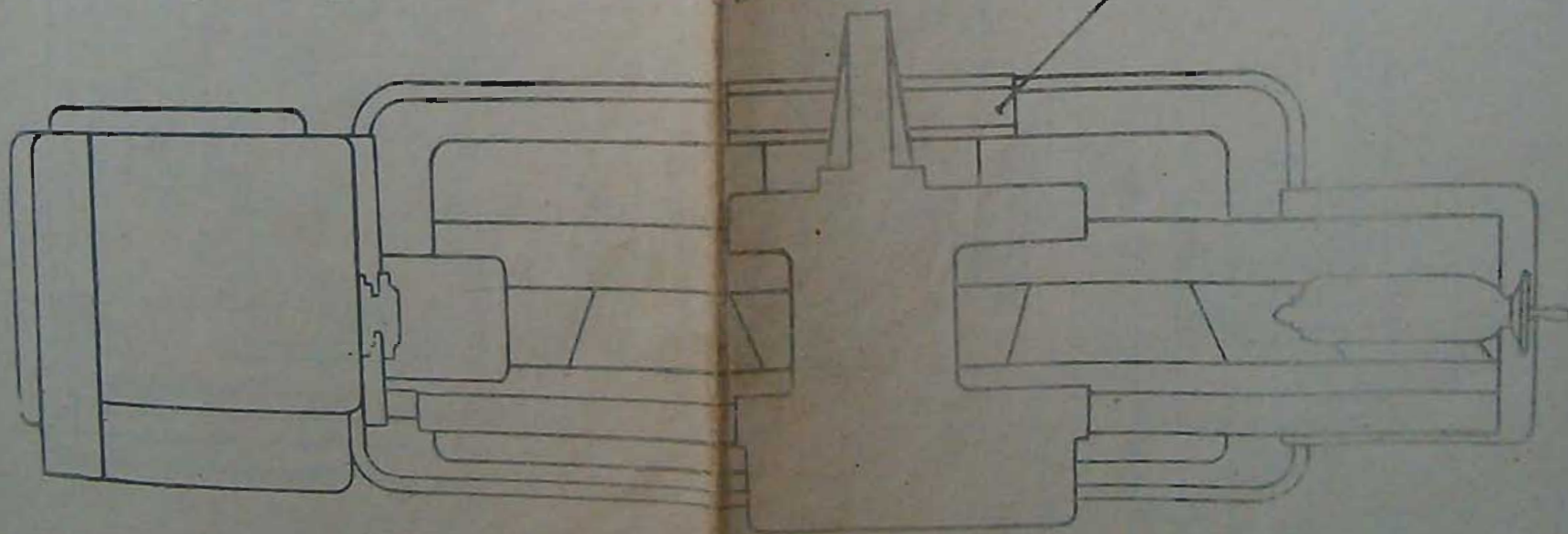
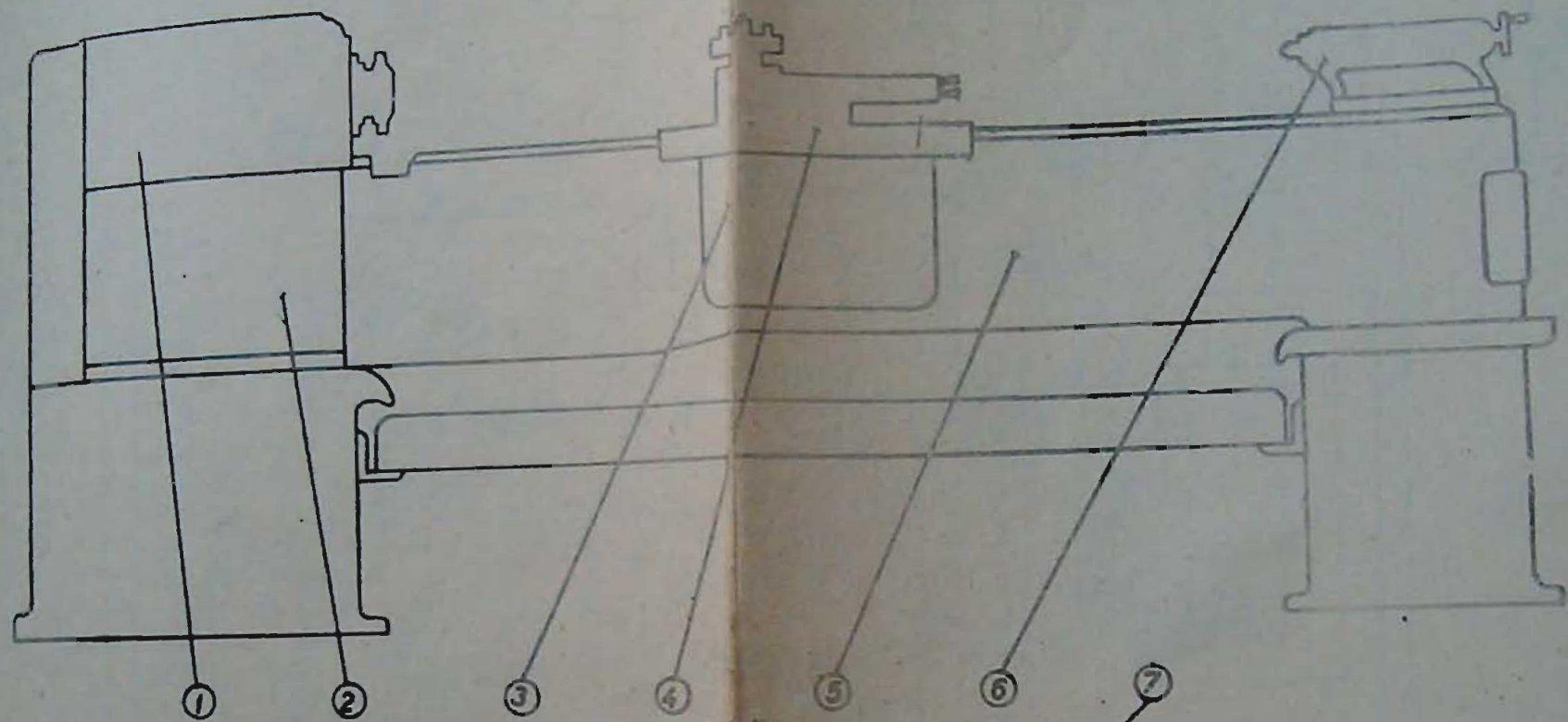
Фиг. 29 Fig.

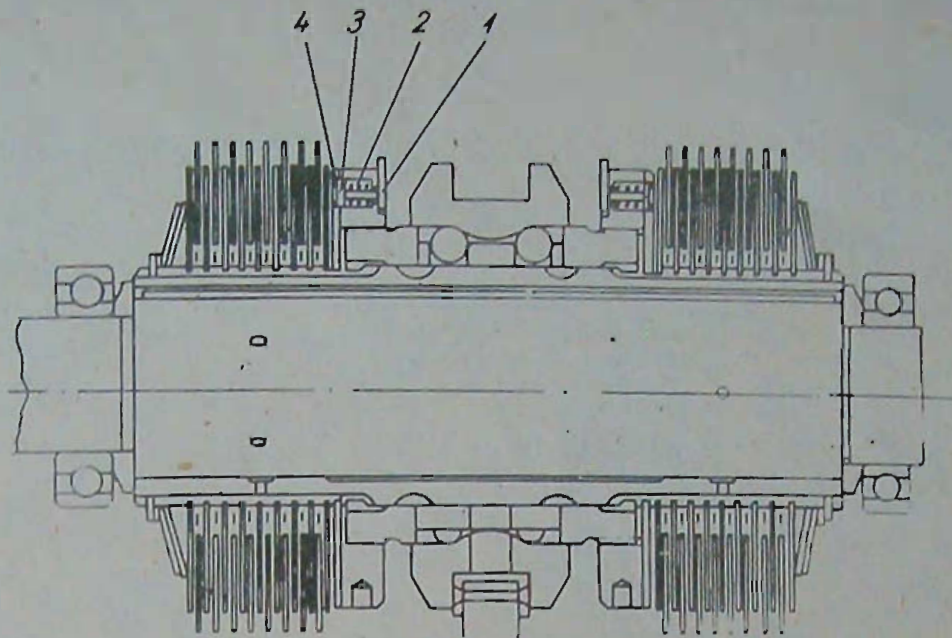


Φ 42 30 Fig

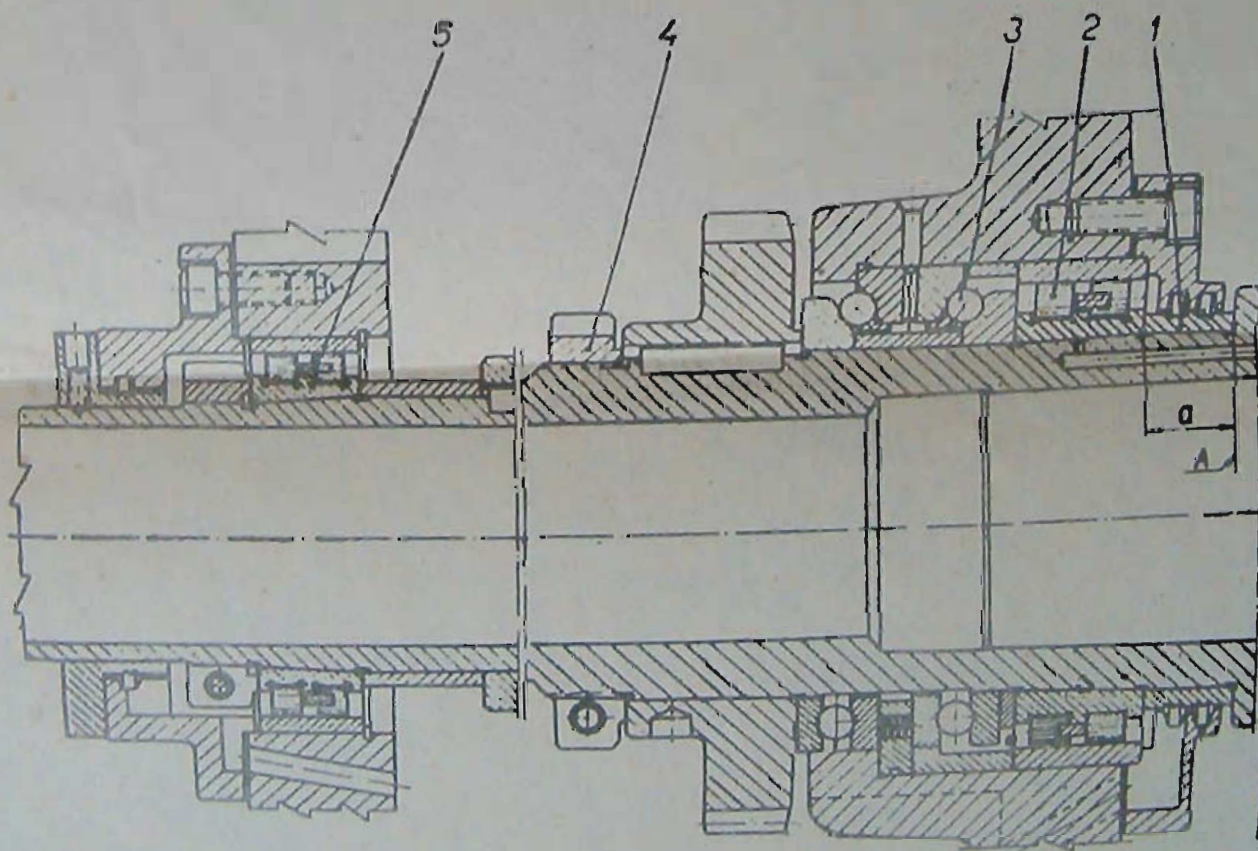




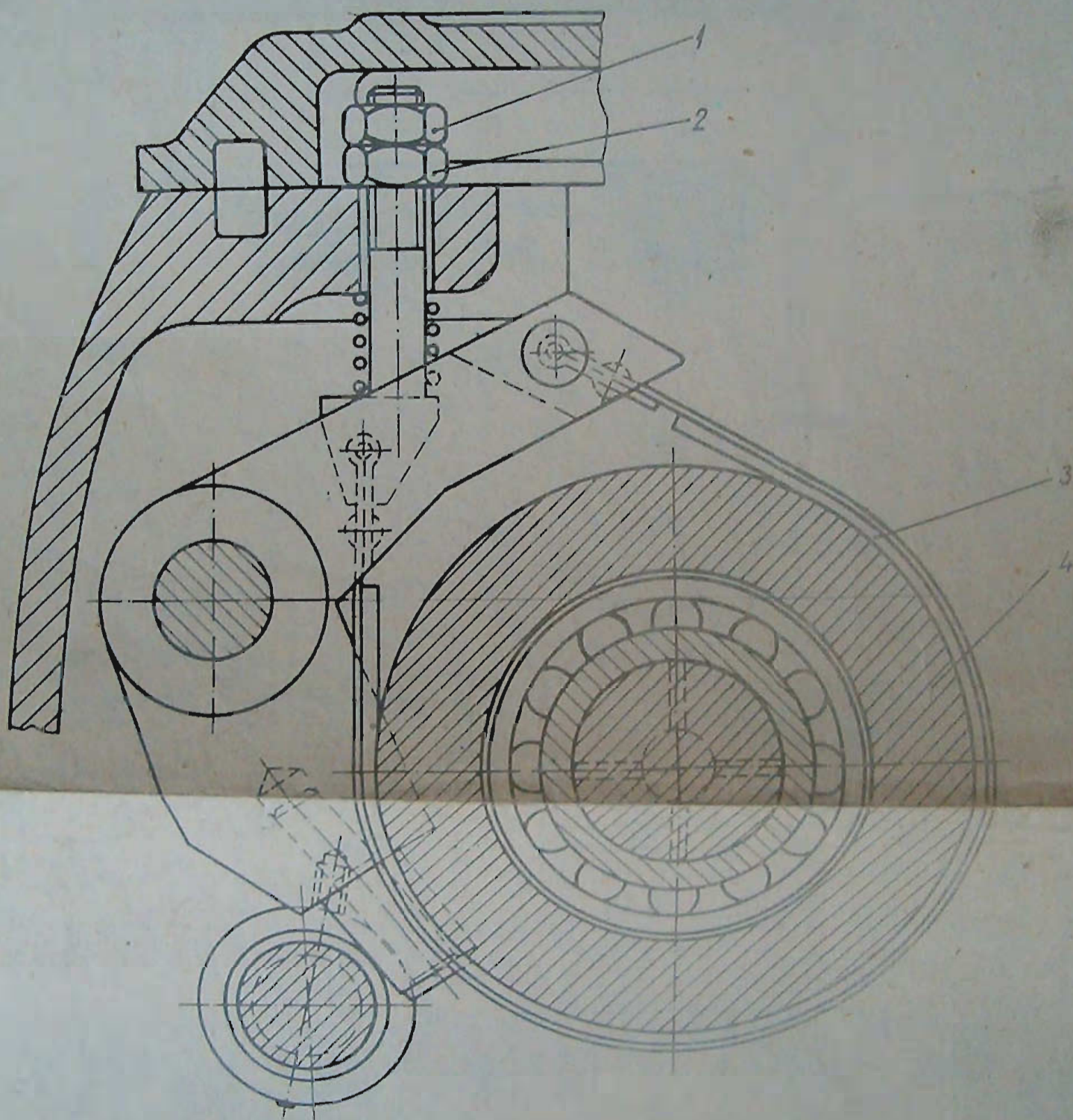




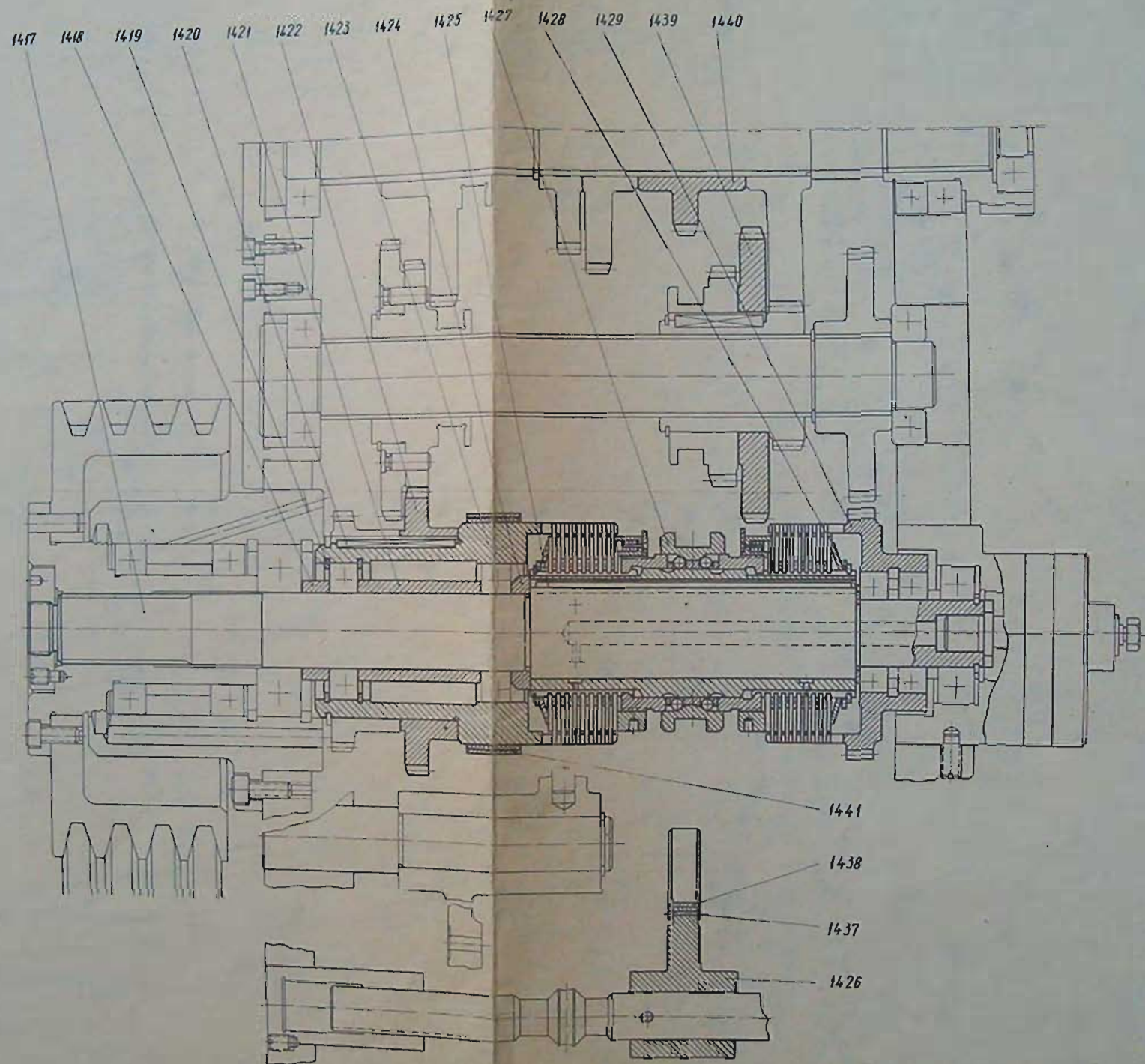
Фиг. 20 Fig

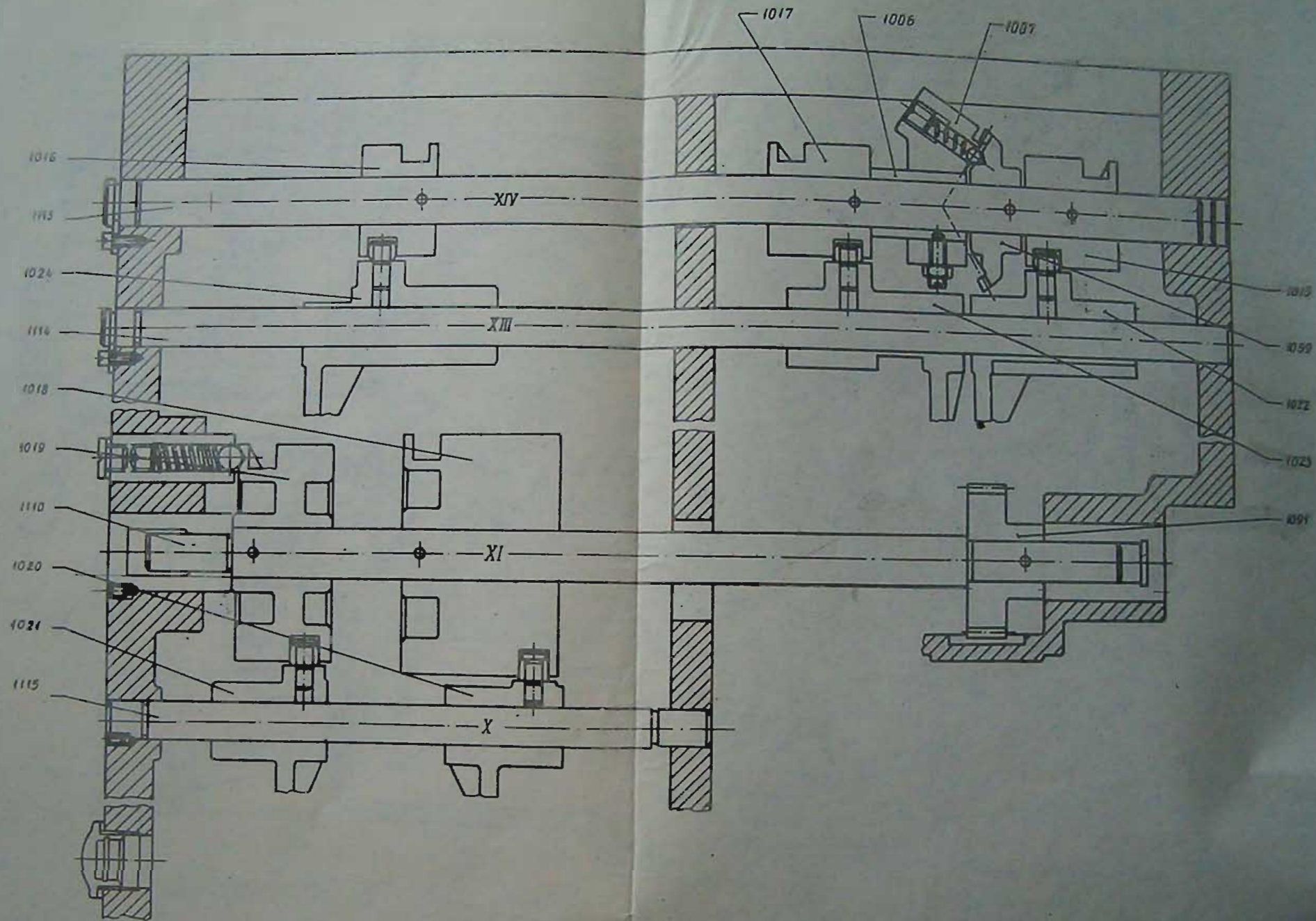


Фиг. 21 Fig

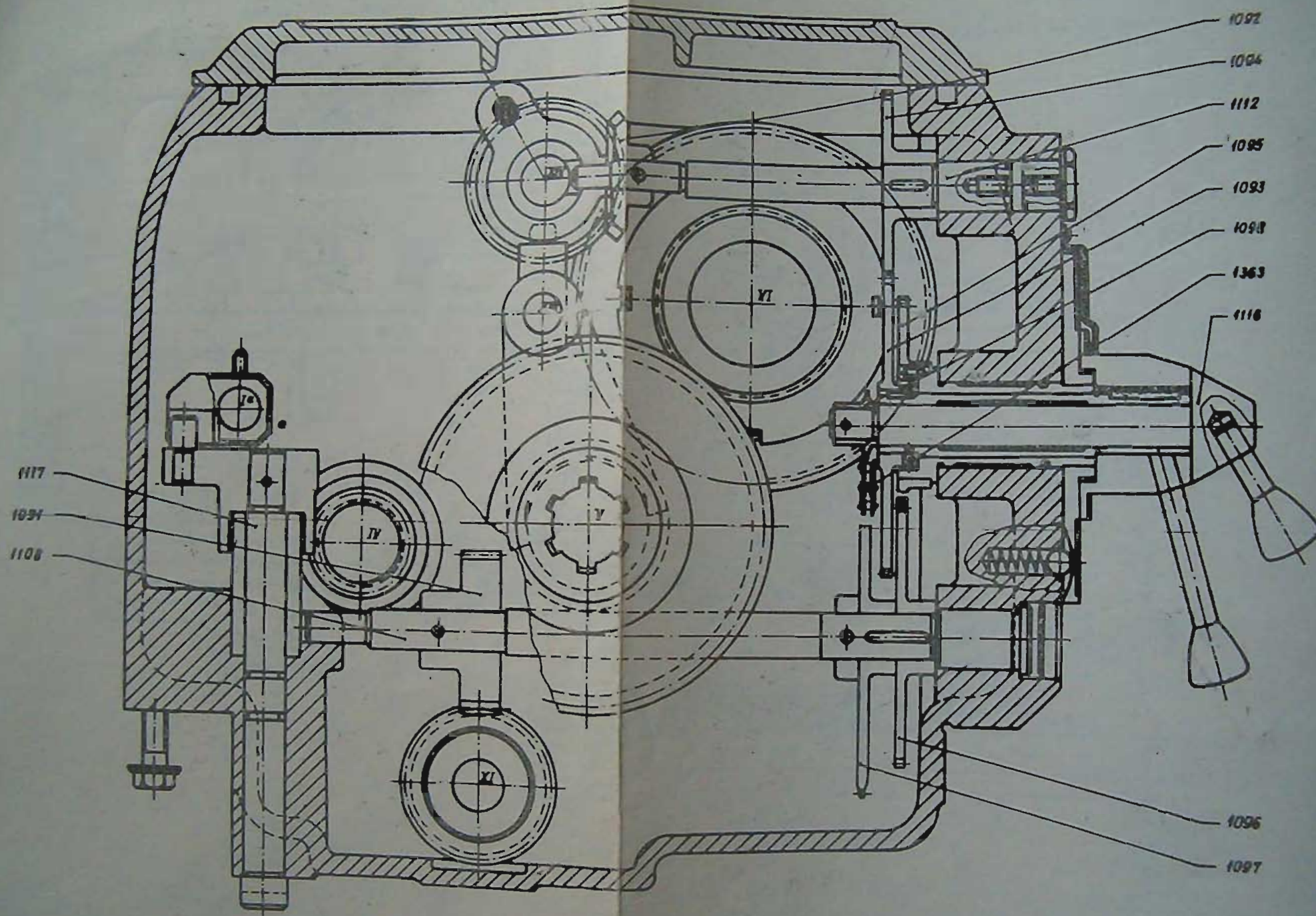


Фиг. 22 Fig.

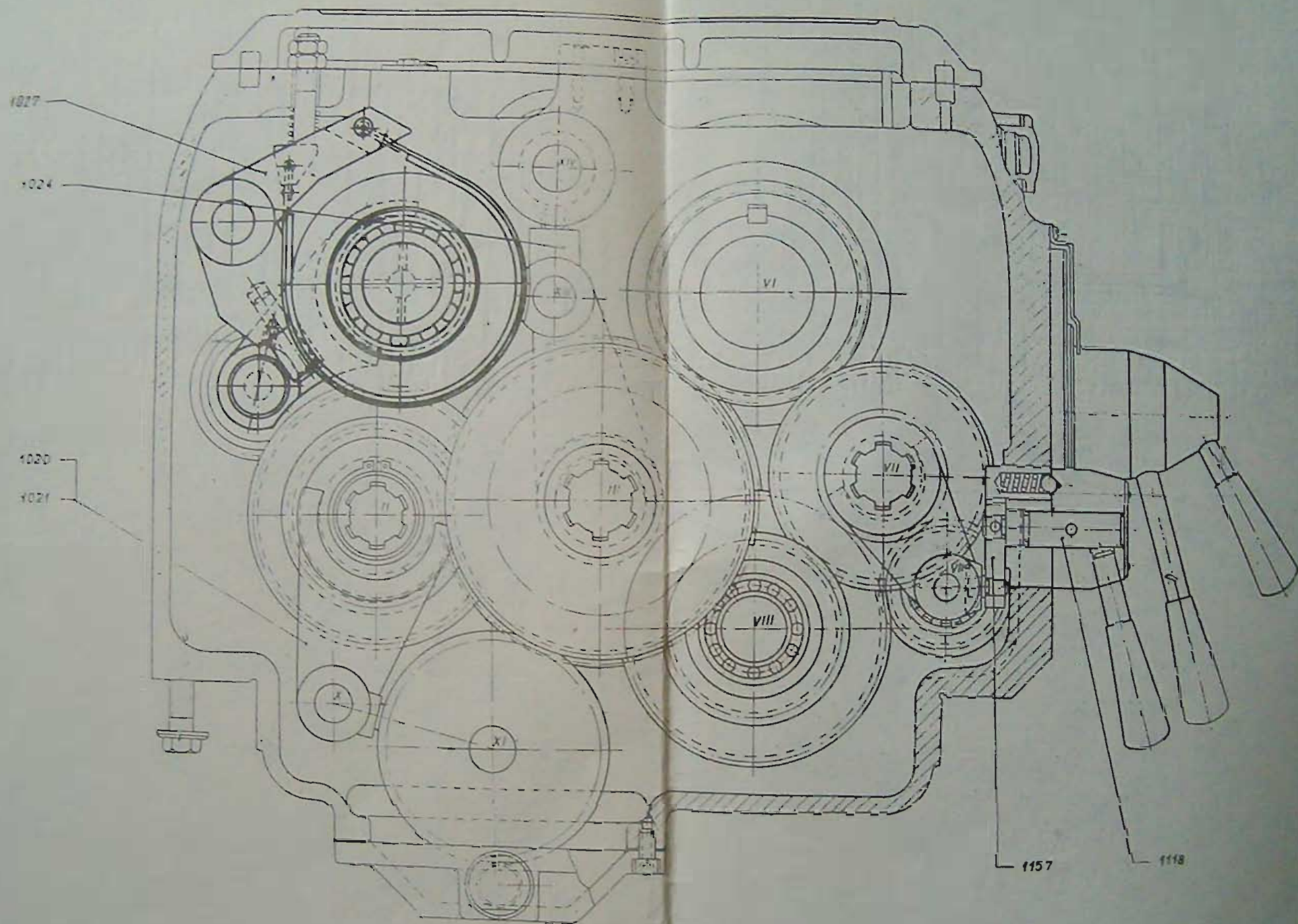




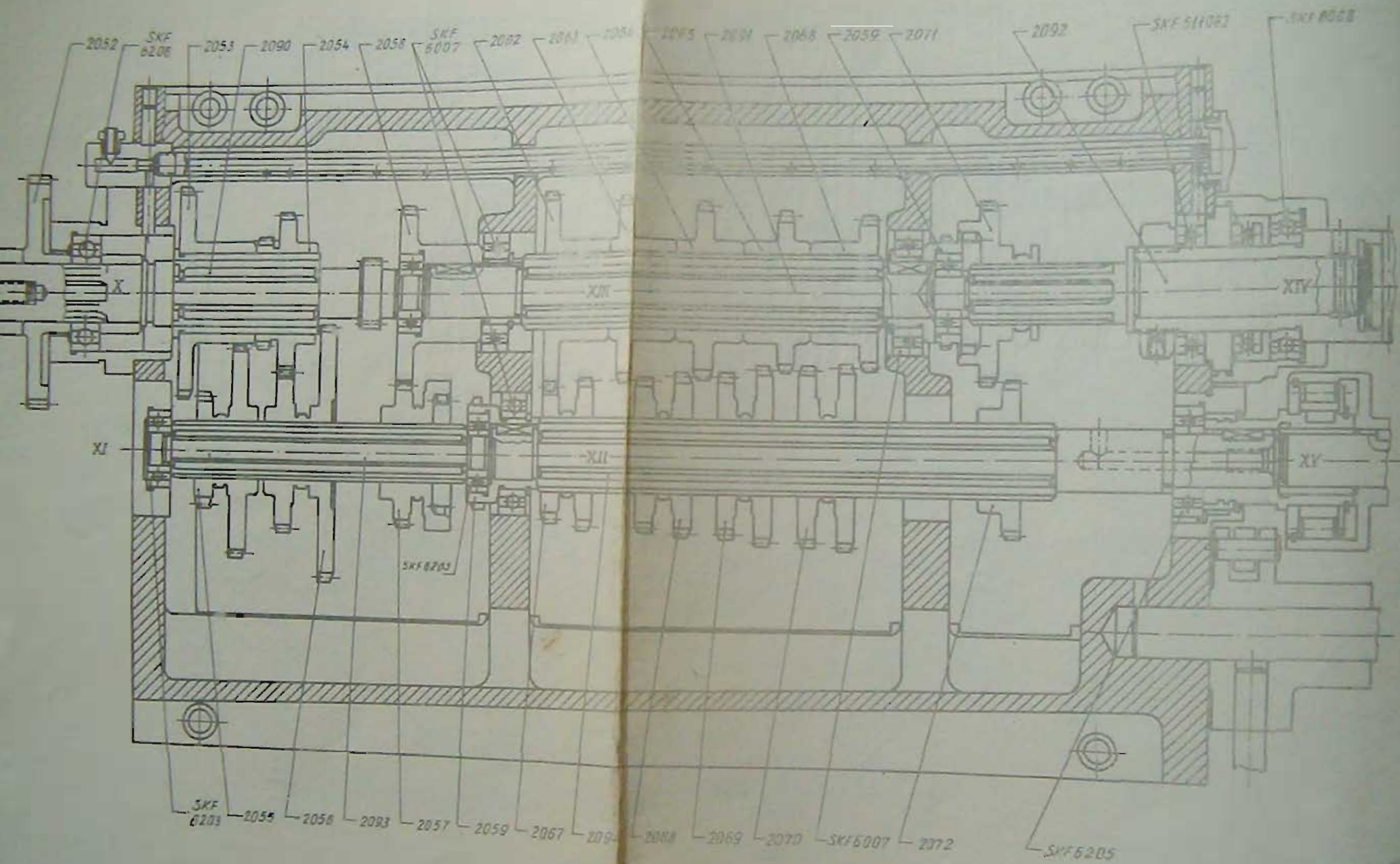
фиг. 35 Fig.

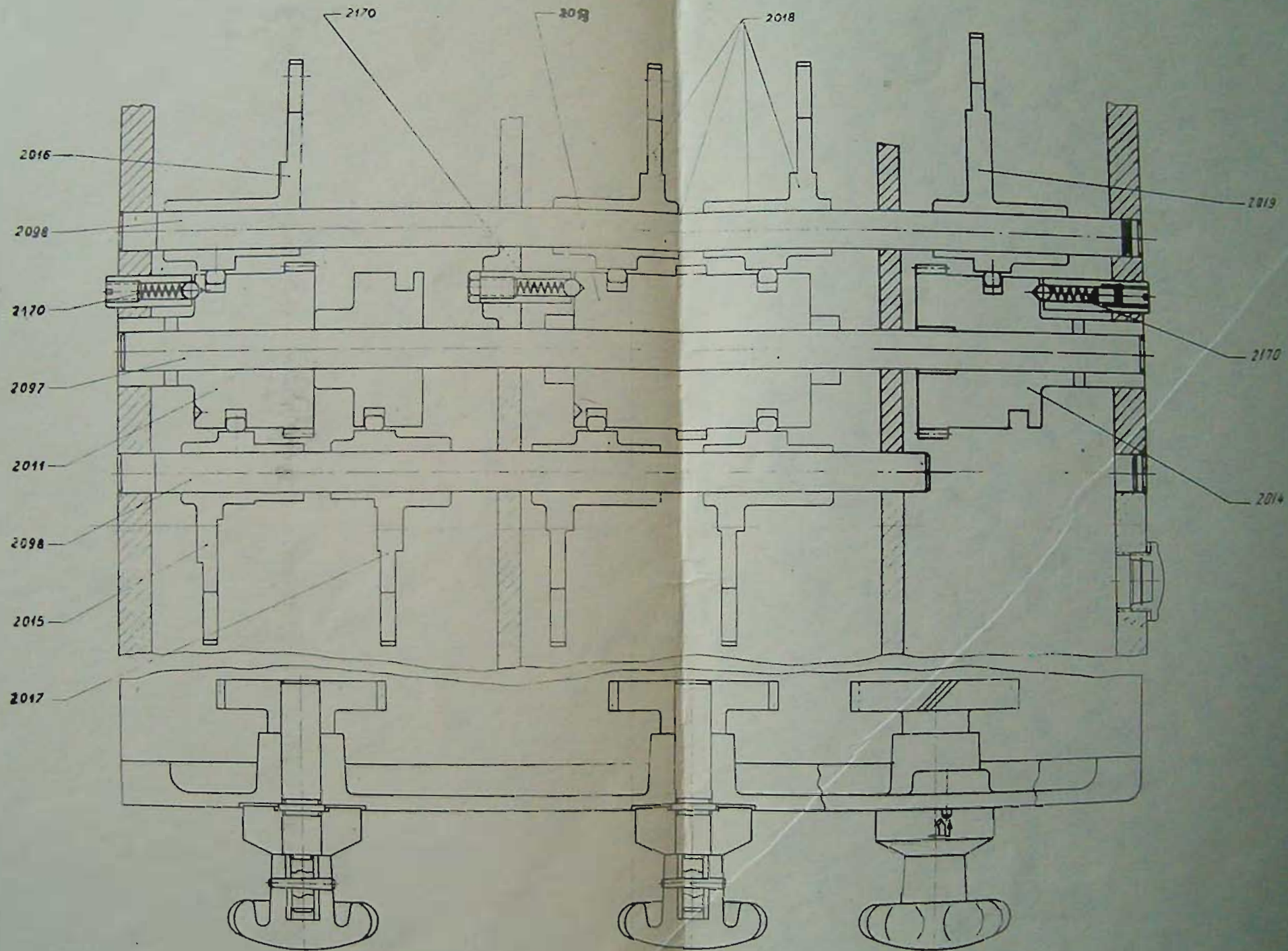


Фиг. 36 Fig.

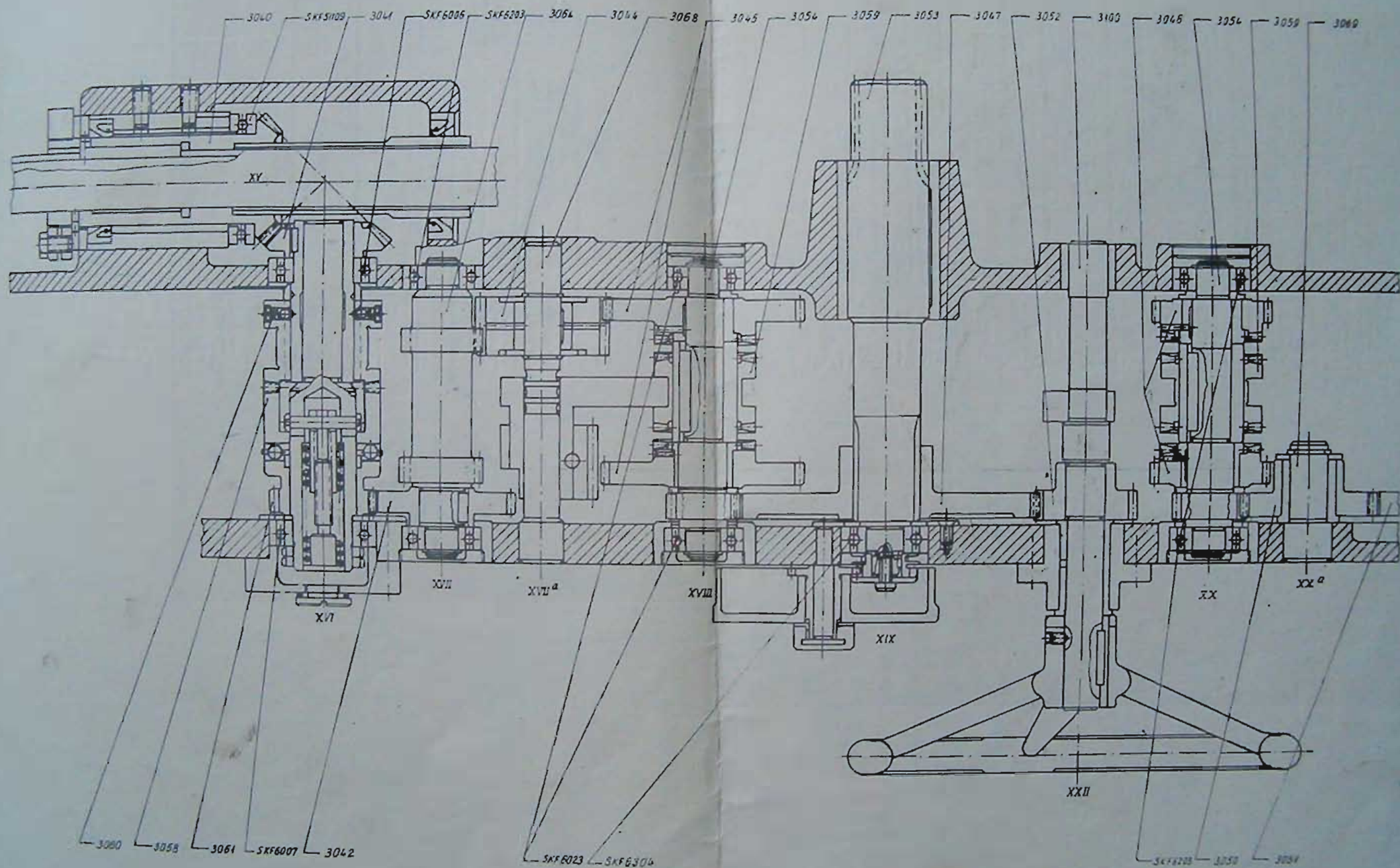


Фиг. 37 Fig.





Фиг. 39 Fig



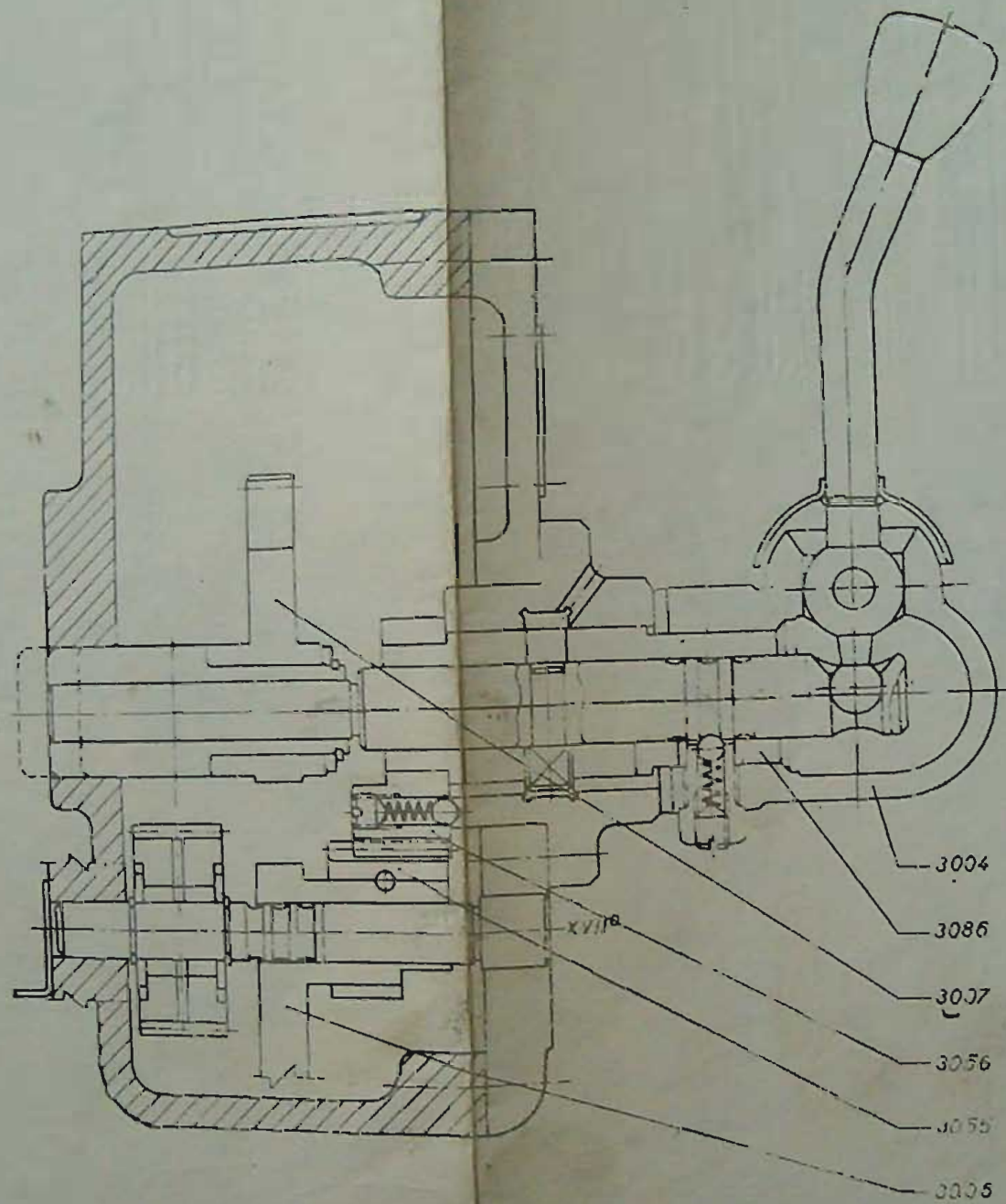
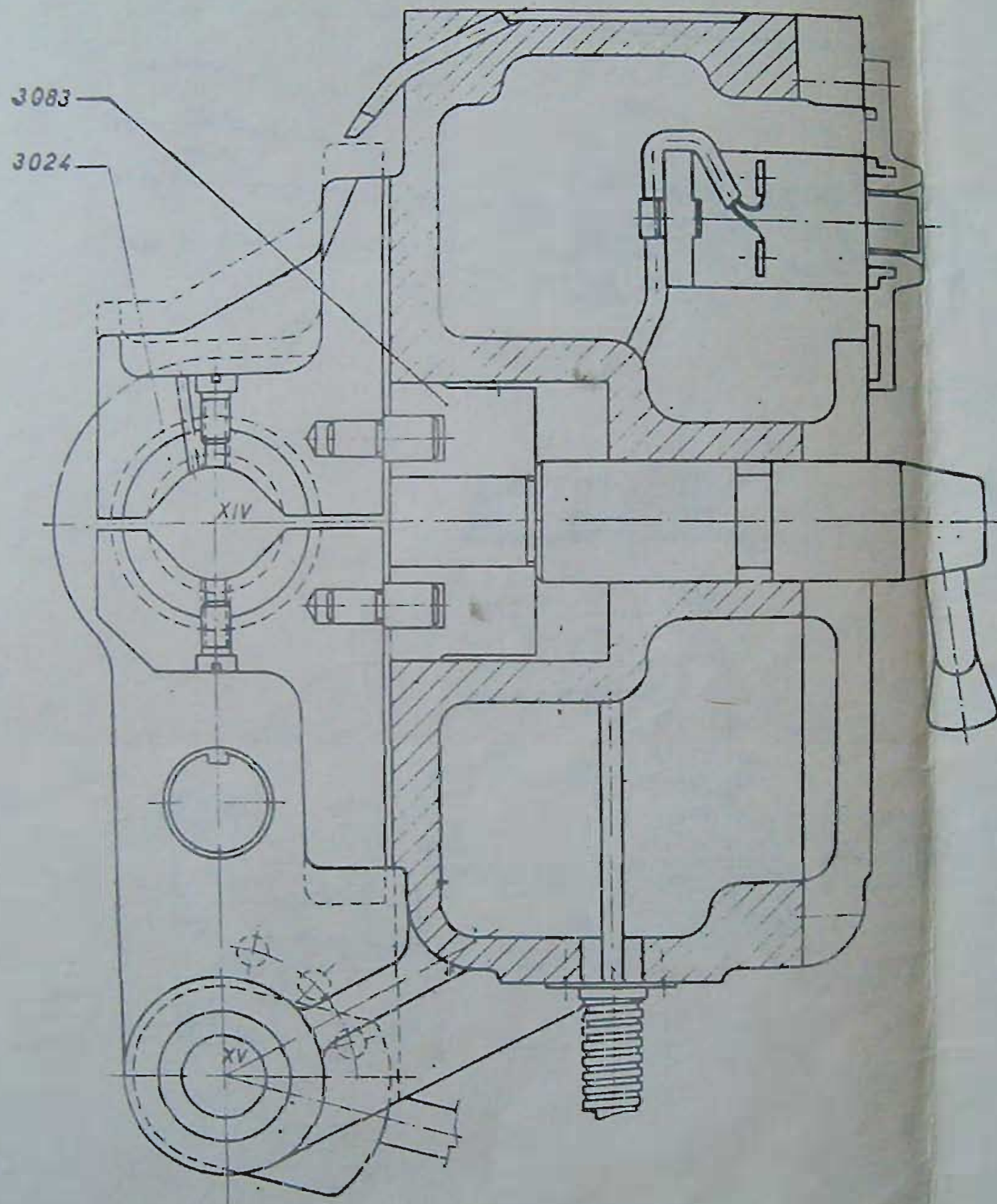
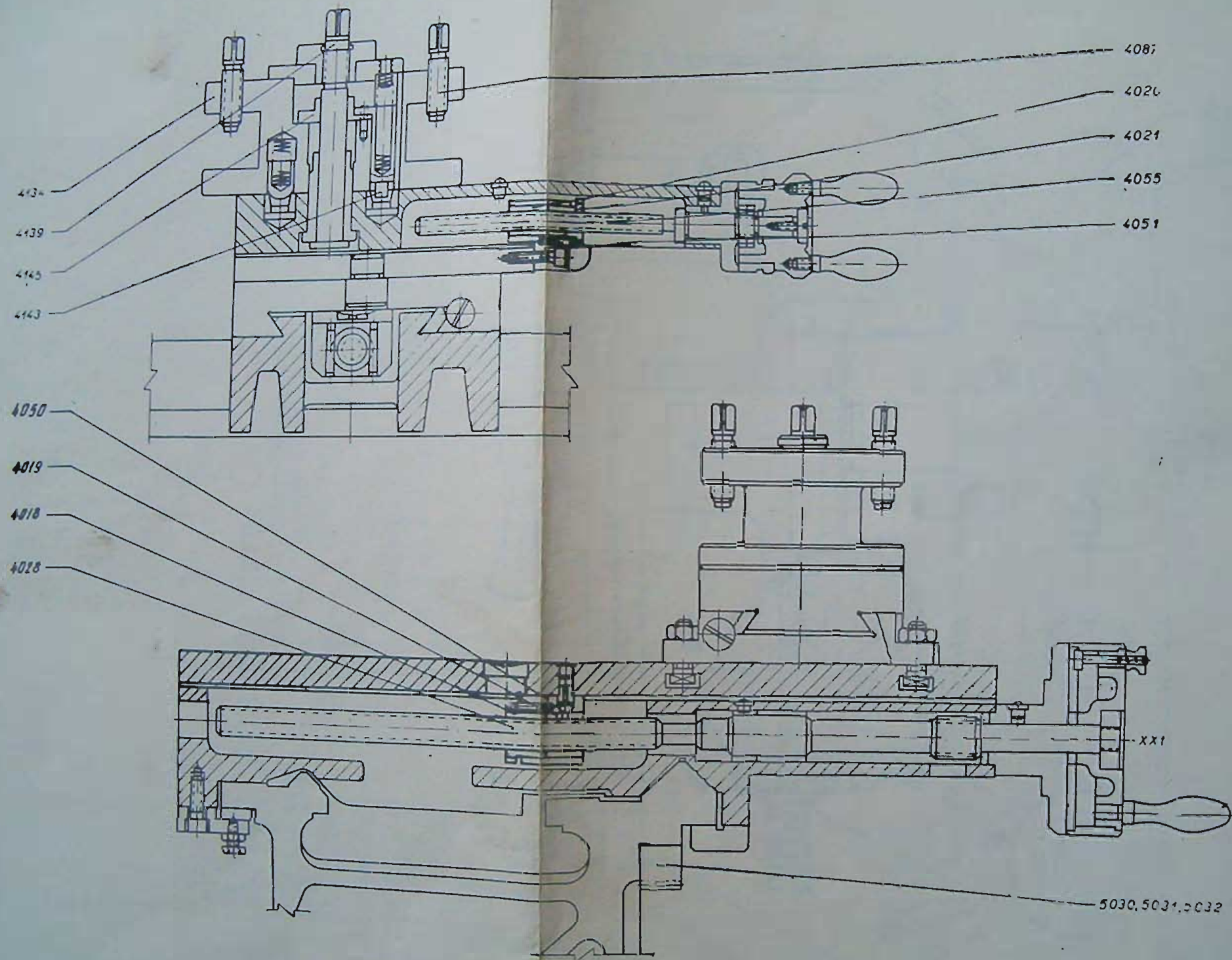
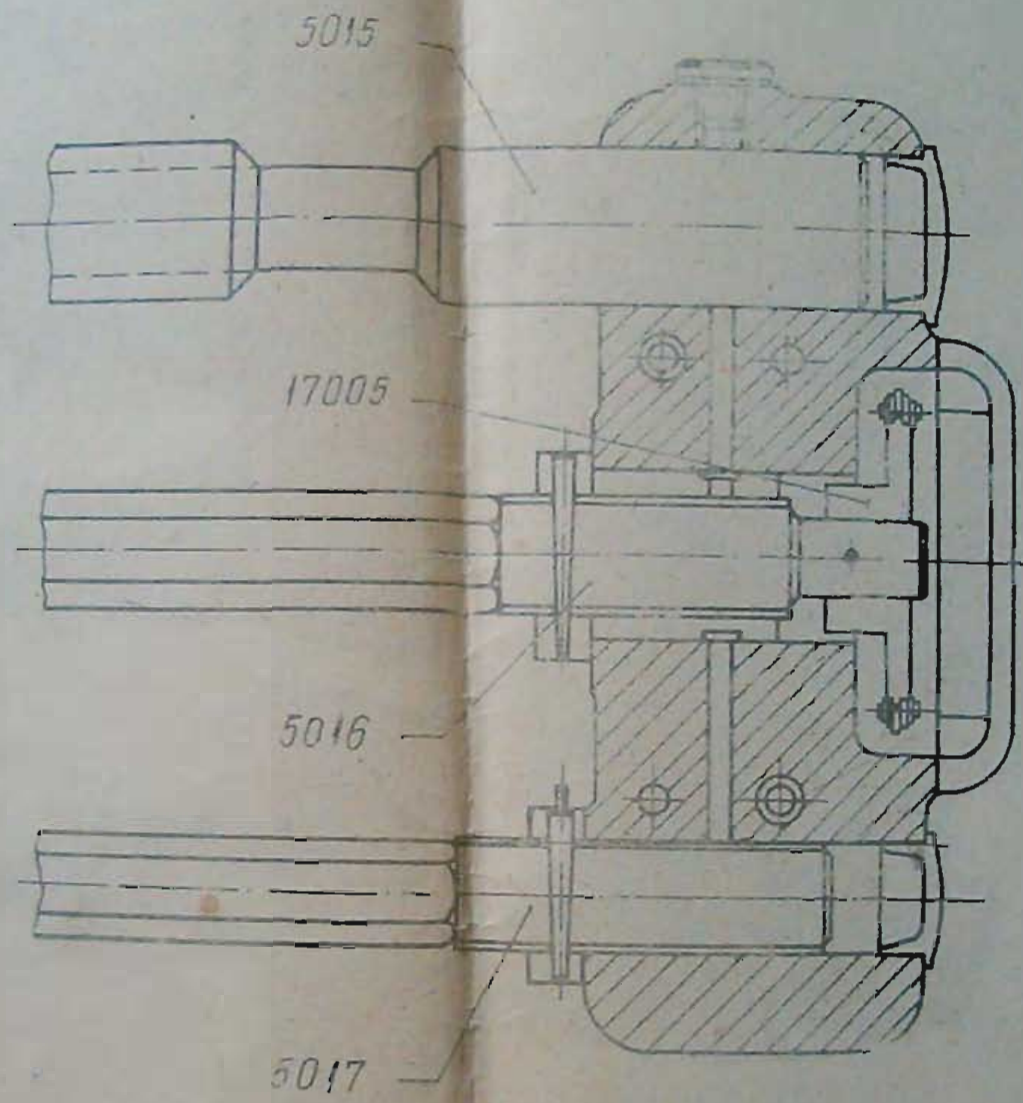


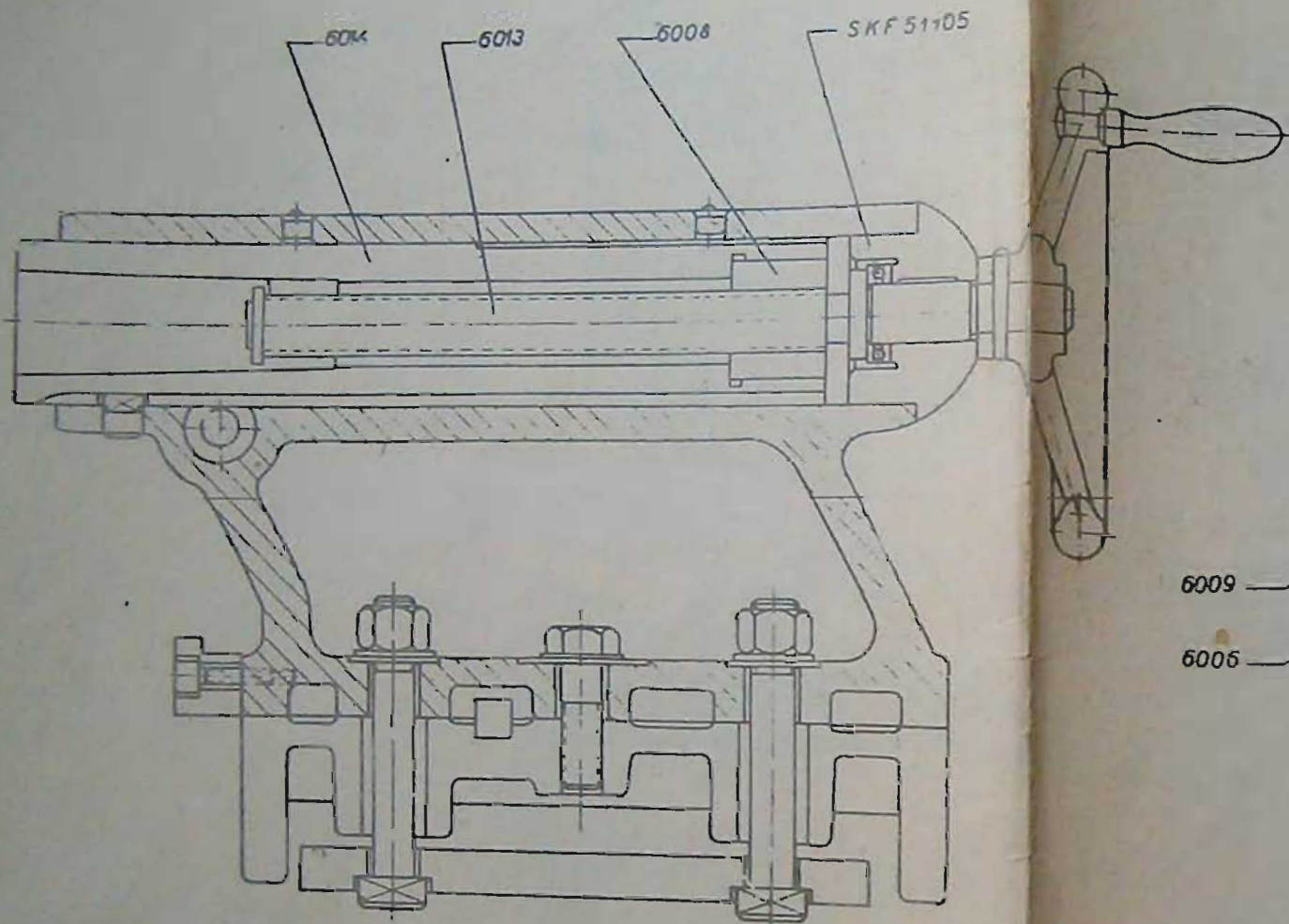
Fig. 42 FIG



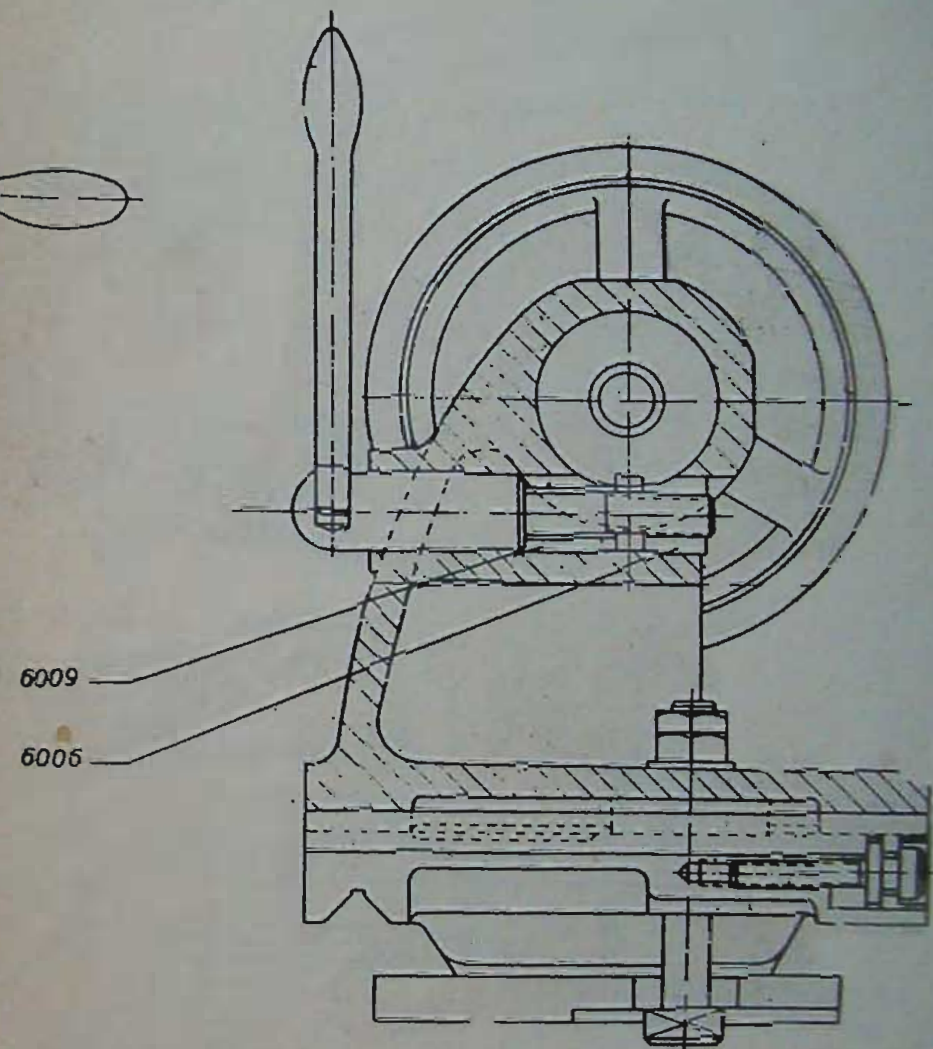


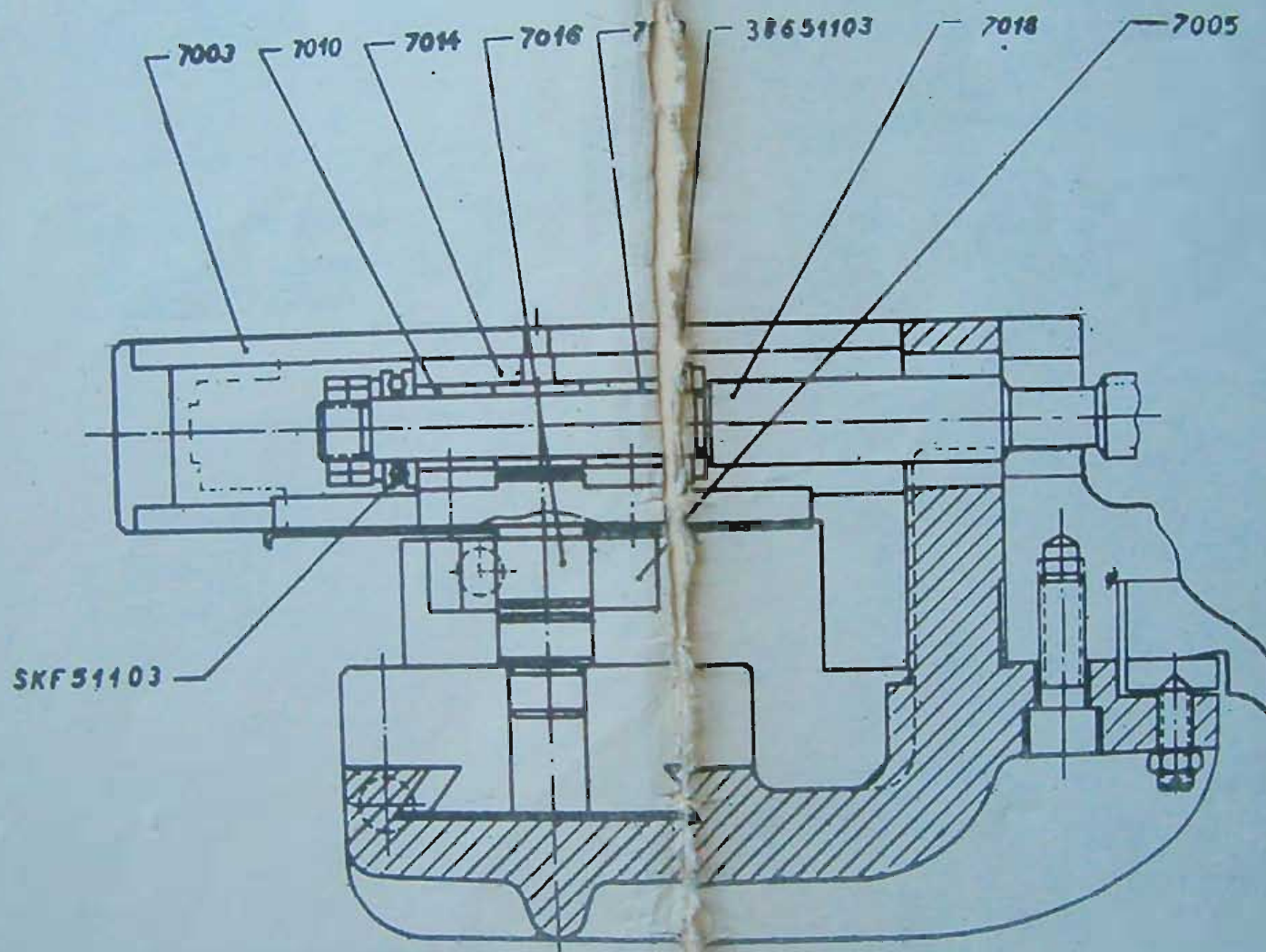
Фиг. 44 Fig.



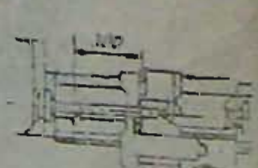
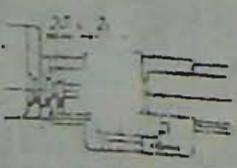
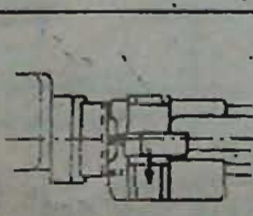
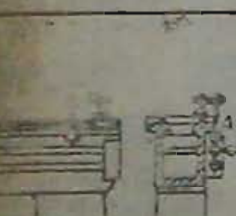
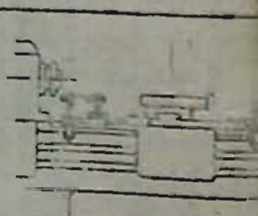
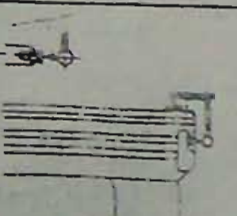
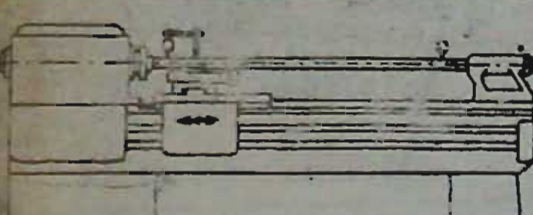
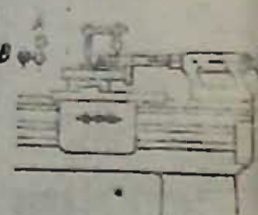
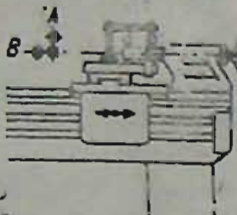
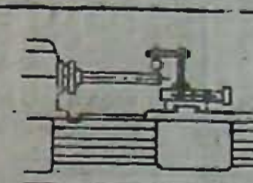
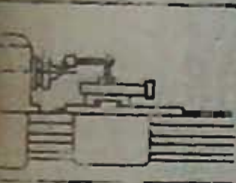
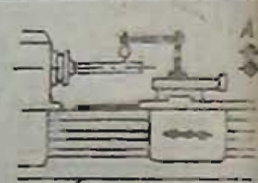
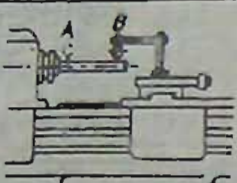
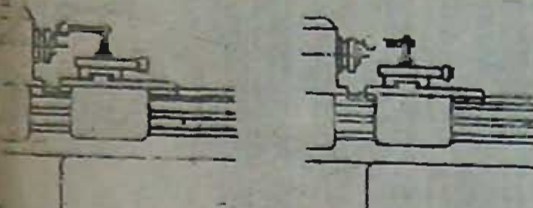
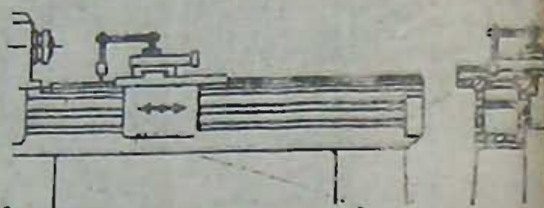
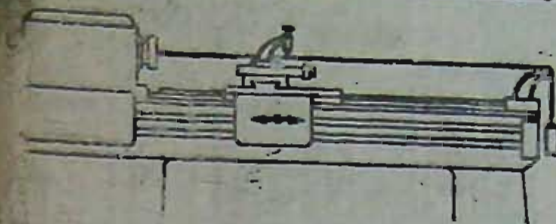
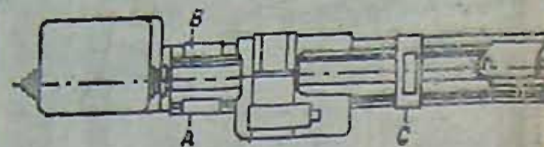


Фиг. 46 FIG





Фиг. 47 F



										I 16 ÷ 90			
Q/min		16 ÷ 2000				II 125 ÷ 710				I 16 ÷ 90			
		1/4	1/2	1	2	1/4	1/2	1	2	1/4	1/2	1	2
	1	0.125	0.25	0.5	1	0.25	0.5	1	2	1/4	1/2	1	2
	2	0.141	0.281	0.562	1.125	0.281	0.562	1.125	2.25	1/4	1/2	1	2
	3	0.156	0.312	0.625	1.25	0.312	0.625	1.25	2.5	1/4	1/2	1	2
	4	0.172	0.344	0.687	1.375	0.344	0.687	1.375	2.75	1/4	1/2	1	2
	5	0.187	0.375	0.75	1.5	0.375	0.75	1.5	3	1/4	1/2	1	2
	6	0.203	0.406	0.812	1.625	0.406	0.812	1.625	3.25	1/4	1/2	1	2
	7	0.219	0.437	0.875	1.75	0.437	0.875	1.75	3.5	1/4	1/2	1	2
	8	0.234	0.469	0.937	1.875	0.469	0.937	1.875	3.75	1/4	1/2	1	2
	1	128	64	32	16	64	32	16	8	8	4	2	1
	2	144	72	36	18	72	36	18	9	9	4 1/2	2 1/4	1 1/8
	3	160	80	40	20	80	40	20	10	10	5	2 1/2	1 1/4
	4	176	88	44	22	88	44	22	11	11	5 1/2	2 3/4	1 3/8
	5	192	96	48	24	96	48	24	12	12	6	3	1 1/2
	6	208	104	52	26	104	52	26	13	13	6 1/2	3 1/4	1 5/8
	7	224	112	56	28	112	56	28	14	14	7	3 1/2	1 3/4
	8	240	120	60	30	120	60	30	15	15	7 1/2	3 3/4	1 7/8

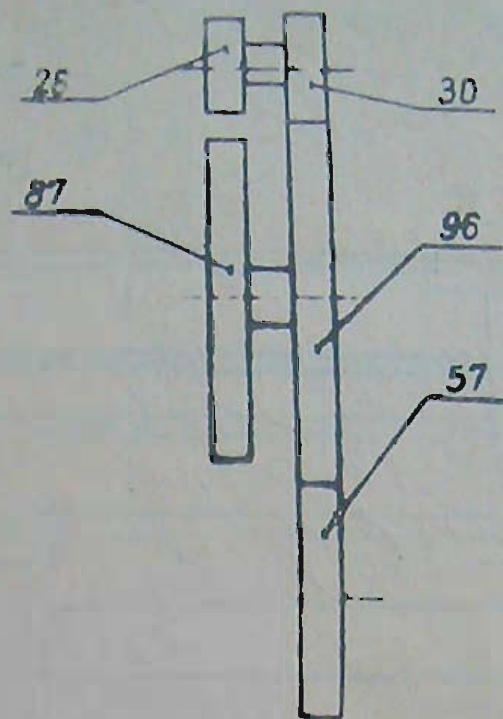
Q*/min		16 ÷ 2000				II 125 ÷ 710				I 16 ÷ 90				
		1/4	1/2	1	2	1/4	1/2	1	2	1/4	1/2	1	2	
	mm	1	0.5	1	2	4	1	2	4	8	8	16	32	64
	2	0.562	1.125	2.25	4.5	1.125	2.25	4.5	9	9	18	36	72	
	3	0.625	1.25	2.5	5	1.25	2.5	5	10	10	20	40	80	
	4	0.687	1.375	2.75	5.5	1.375	2.75	5.5	11	11	22	44	88	
	5	0.75	1.5	3	6	1.5	3	6	12	12	24	48	96	
	6	0.812	1.625	3.25	6.5	1.625	3.25	6.5	13	13	26	52	104	
	7	0.875	1.75	3.5	7	1.75	3.5	7	14	14	28	56	112	
	8	0.937	1.875	3.75	7.5	1.875	3.75	7.5	15	15	30	60	120	
	1"	1	32	16	8	4	16	8	4	2	2	1	1/2	1/4
	2	36	18	9	4 1/2	18	9	4 1/2	2 1/4	2 1/4	1 1/8	9/16	3/32	
	3	40	20	10	5	20	10	5	2 1/2	2 1/2	1 1/4	5/8	5/16	
	4	44	22	11	5 1/2	22	11	5 1/2	2 3/4	2 3/4	1 3/8	11/16	11/32	
	5	48	24	12	6	24	12	6	3	3	1 1/2	3/4	3/8	
	6	52	26	13	6 1/2	26	13	6 1/2	3 1/4	3 1/4	1 5/8	13/16	13/32	
	7	56	28	14	7	28	14	7	3 1/2	3 1/2	1 3/4	7/8	7/16	
	8	60	30	15	7 1/2	30	15	7 1/2	3 3/4	3 3/4	1 7/8	15/16	15/32	

										I 16 ÷ 90				III 355 ÷ 2000			
Q/min		16 ÷ 2000				II 125 ÷ 710				I 16 ÷ 90				III 355 ÷ 2000			
		1/4	1/2	1	2	1/4	1/2	1	2	1/4	1/2	1	2	1/4	1/2	1	2
	1	.0065	.0131	.0262	.0523	.0131	.0262	.0523	.1046	.0131	.0262	.0523	.1046	.0041	.0082	.0165	.0330
	2	.0058	.0116	.0233	.0466	.0116	.0233	.0466	.0933	.0093	.0186	.0372	.0745	.0036	.0073	.0146	.0292
	3	.0053	.0105	.0209	.0419	.0105	.0209	.0419	.0838	.0083	.0167	.0335	.0670	.0033	.0065	.0131	.0262
	4	.0048	.0095	.0190	.0381	.0095	.0190	.0381	.0762	.0076	.0152	.0304	.0609	.0030	.0060	.0120	.0239
	5	.0044	.0087	.0175	.0350	.0087	.0175	.0350	.0699	.0069	.0139	.0279	.0559	.0027	.0055	.0110	.0220
	6	.0040	.0081	.0161	.0322	.0081	.0161	.0322	.0645	.0064	.0129	.0257	.0515	.0025	.0051	.0101	.0202
	7	.0037	.0075	.0150	.0299	.0075	.0150	.0299	.0598	.0059	.0119	.0239	.0478	.0023	.0047	.0094	.0188
	8	.0035	.0070	.0140	.0280	.0070	.0140	.0280	.0560	.0056	.0112	.0224	.0448	.0022	.0044	.0088	.0175
	1	.0033	.0065	.0131	.0262	.0065	.0131	.0262	.0523	.0052	.0104	.0209	.0418	.0021	.0041	.0082	.0165
	2	.0029	.0058	.0116	.0233	.0058	.0116	.0233	.0466	.0046	.0093	.0186	.0372	.0018	.0036	.0073	.0146
	3	.0027	.0053	.0105	.0209	.0053	.0105	.0209	.0419	.0041	.0083	.0167	.0335	.0016	.0033	.0065	.0131
	4	.0024	.0048	.0095	.0190	.0048	.0095	.0190	.0381	.0038	.0076	.0152	.0304	.0015	.0030	.0060	.0120
	5	.0022	.0044	.0087	.0175	.0044	.0087	.0175	.0350	.0035	.0069	.0139	.0279	.0014	.0027	.0055	.0110
	6	.0020	.0040	.0081	.0161	.0040	.0081	.0161	.0322	.0032	.0064	.0129	.0257	.0013	.0025	.0051	.0101
	7	.0019	.0037	.0075	.0150	.0037	.0075	.0150	.0299	.0029	.0059	.0119	.0239	.0012	.0023	.0047	.0094
	8	.0017	.0035	.0070	.0140	.0035	.0070	.0140	.0280	.0028	.0056	.0112	.0224	.0011	.0022	.0044	.0088

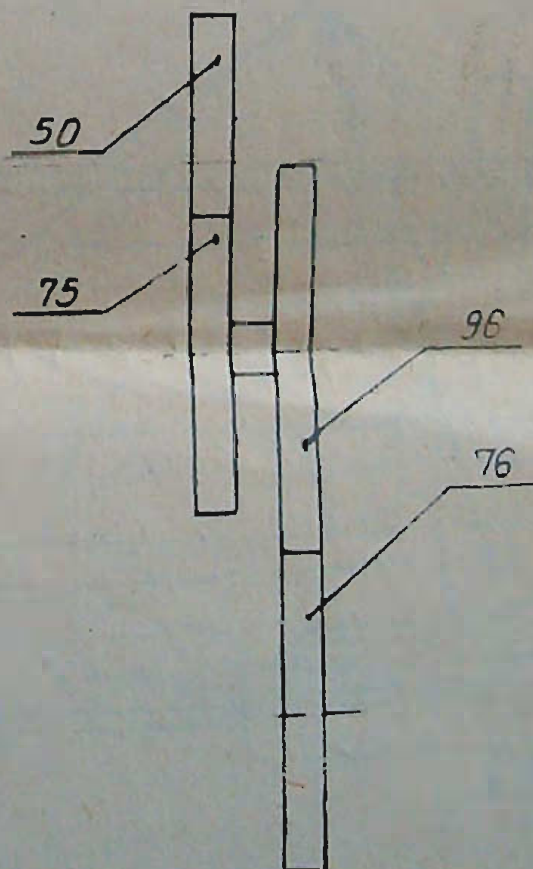
○/min		16 ÷ 2000				II 125 ÷ 710				I 16 ÷ 90			
		1/4	1/2	1	2	1/4	1/2	1	2	1/4	1/2	1	2
	1	0.125	0.25	0.5	1	0.25	0.5	1	2	2	4	8	16
	2	0.141	0.28	0.562	1.125	0.281	0.562	1.125	2.25	2.25	4.5	9	18
	3	0.156	0.312	0.625	1.25	0.312	0.625	1.25	2.5	2.5	5	10	20
	4	0.172	0.344	0.687	1.375	0.344	0.687	1.375	2.75	2.75	5.5	11	22
	5	0.187	0.375	0.75	1.5	0.375	0.75	1.5	3	3	6	12	24
	6	0.203	0.406	0.812	1.625	0.406	0.812	1.625	3.25	3.25	6.5	13	26
	7	0.219	0.437	0.875	1.75	0.437	0.875	1.75	3.5	3.5	7	14	28
	8	0.234	0.469	0.937	1.875	0.469	0.937	1.875	3.75	3.75	7.5	15	30
	1	128	64	32	16	64	32	16	8	8	4	2	1
	2	144	72	36	18	72	36	18	9	9	4 1/2	2 1/4	1 1/8
	3	160	80	40	20	80	40	20	10	10	5	2 1/2	1 1/4
	4	176	88	44	22	88	44	22	11	11	5 1/2	2 3/4	1 3/8
	5	192	96	48	24	96	48	24	12	12	6	3	1 1/2
	6	208	104	52	26	104	52	26	13	13	6 1/2	3 1/4	1 5/8
	7	224	112	56	28	112	56	28	14	14	7	3 1/2	1 3/4
	8	240	120	60	30	120	60	30	15	15	7 1/2	3 3/4	1 7/8

○/min		16 ÷ 2000				II 125 ÷ 710				I 16 ÷ 90			
		1/4	1/2	1	2	1/4	1/2	1	2	1/4	1/2	1	2
	1	0.5	1	2	4	1	2	4	8	8	16	32	64
	2	0.562	1.125	2.25	4.5	1.125	2.25	4.5	9	9	18	36	72
	3	0.675	1.25	2.5	5	1.25	2.5	5	10	10	20	40	80
	4	0.687	1.375	2.75	5.5	1.375	2.75	5.5	11	11	22	44	88
	5	0.75	1.5	3	6	1.5	3	6	12	12	24	48	96
	6	0.812	1.625	3.25	6.5	1.625	3.25	6.5	13	13	26	52	104
	7	0.875	1.75	3.5	7	1.75	3.5	7	14	14	28	56	112
	8	0.937	1.875	3.75	7.5	1.875	3.75	7.5	15	15	30	60	120
	1	32	16	8	4	16	8	4	2	2	1	1/2	1/4
	2	36	18	9	4 1/2	18	9	4 1/2	2 1/4	2 1/4	1 1/8	9/16	9/32
	3	40	20	10	5	20	10	5	2 1/2	2 1/2	1 1/4	5/8	5/16
	4	44	22	11	5 1/2	22	11	5 1/2	2 3/4	2 3/4	1 3/8	11/16	11/32
	5	48	24	12	6	24	12	6	3	3	1 1/2	3/4	3/8
	6	52	26	13	6 1/2	26	13	6 1/2	3 1/4	3 1/4	1 5/8	13/16	13/32
	7	56	28	14	7	28	14	7	3 1/2	3 1/2	1 3/4	7/8	7/16
	8	60	30	15	7 1/2	30	15	7 1/2	3 3/4	3 3/4	1 7/8	15/16	15/32

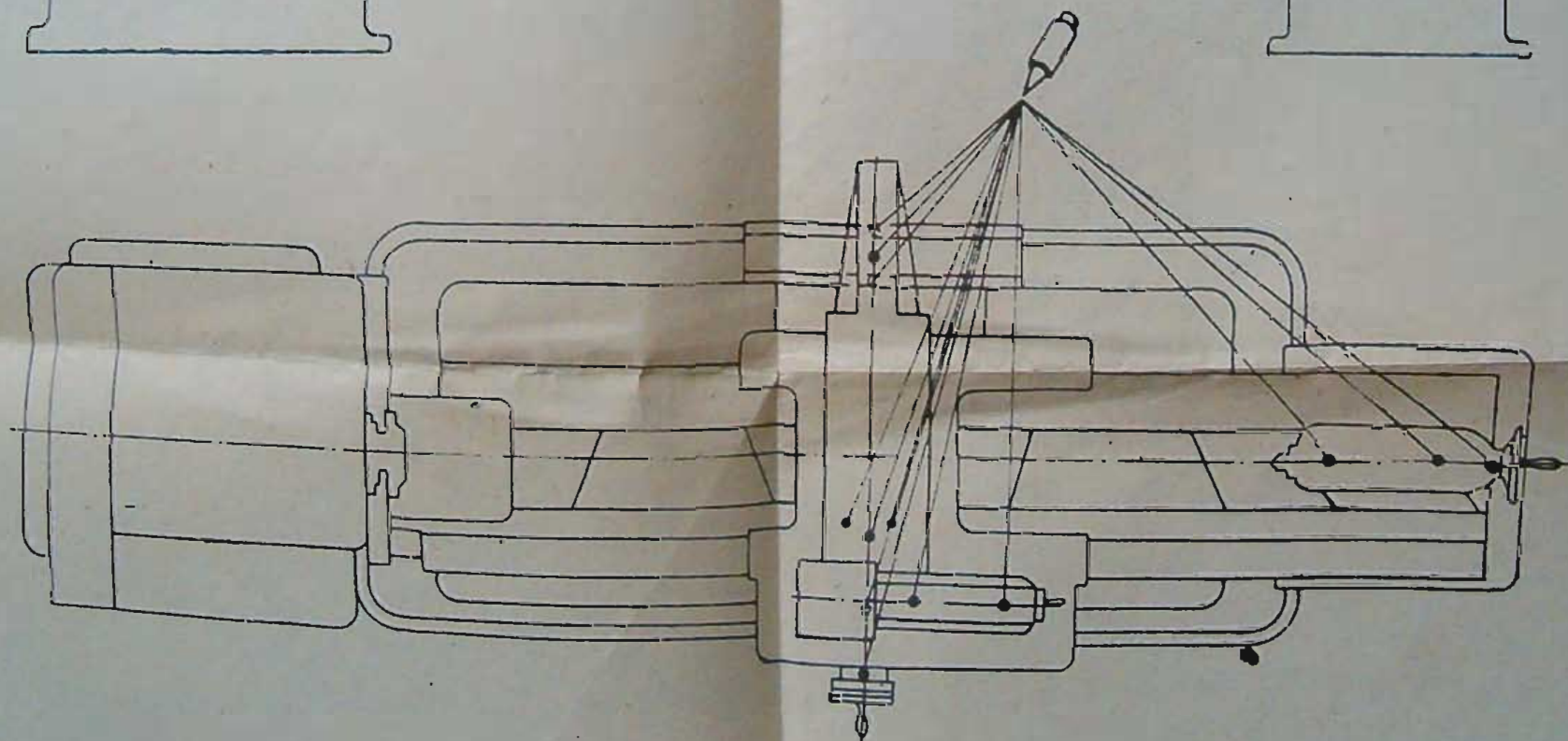
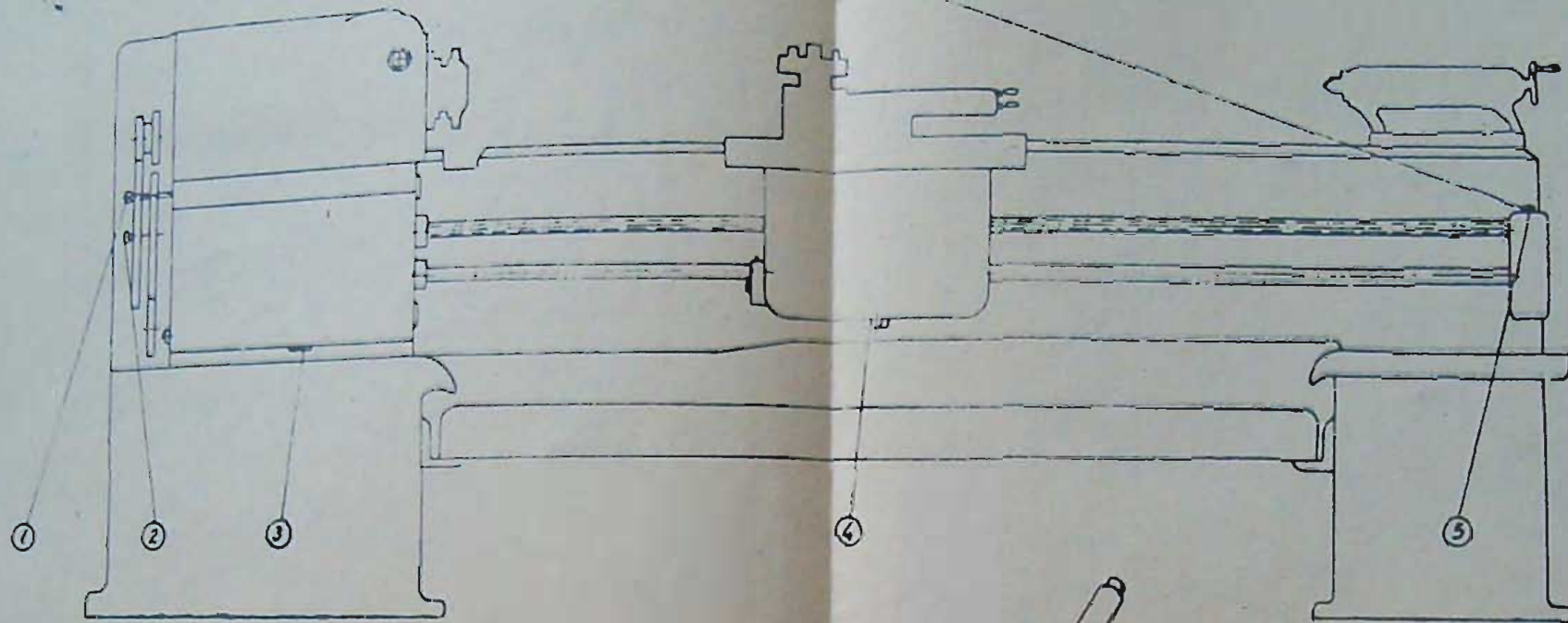
○/min		16 ÷ 2000				II 125 ÷ 710				I 16 ÷ 90			
		1/4	1/2	1	2	1/4	1/2	1	2	1/4	1/2	1	2
	1	0.17	0.35	0.70	1.39	0.35	0.70	1.39	2.79	2.79	5.58	11.16	22.32
	2	0.18	0.31	0.62	1.24	0.31	0.62	1.24	2.48	2.48	4.96	9.92	19.84
	3	0.14	0.28	0.56	1.12	0.28	0.56	1.12	2.23	2.23	4.46	8.93	17.86
	4	0.13	0.25	0.51	1.01	0.25	0.51	1.01	2.03	2.03	4.06	8.12	16.23
	5	0.12	0.23	0.46	0.93	0.23	0.46	0.93	1.86	1.86	3.72	7.44	14.88
	6	0.11	0.21	0.43	0.86	0.21	0.43	0.86	1.72	1.72	3.43	6.87	13.73
	7	0.10	0.20	0.40	0.80	0.20	0.40	0.80	1.59	1.59	3.19	6.38	12.75
	8	0.09	0.19	0.37	0.74	0.19	0.37	0.74	1.49	1.49	2.98	5.95	11.90
	1	0.09	0.17	0.35	0.70	0.17	0.35	0.70	1.39	1.39	2.79	5.58	11.16
	2	0.08	0.15	0.31	0.62	0.16	0.31	0.62	1.24	1.24	2.48	4.96	9.92
	3	0.07	0.14	0.28	0.56	0.14	0.28	0.56	1.12	1.12	2.23	4.46	8.93
	4	0.06	0.13	0.25	0.51	0.13	0.25	0.51	1.01	1.01	2.03	4.06	8.12
	5	0.06	0.12	0.23	0.46	0.12	0.23	0.46	0.93	0.93	1.86	3.72	7.44
	6	0.05	0.11	0.21	0.43	0.11	0.21	0.43	0.86	0.86	1.72	3.43	6.87
	7	0.05	0.10	0.20	0.40	0.10	0.20	0.40	0.80	0.80	1.59	3.19	6.38
	8	0.05	0.09	0.19	0.37	0.09	0.19	0.37	0.74	0.74	1.49	2.98	5.95

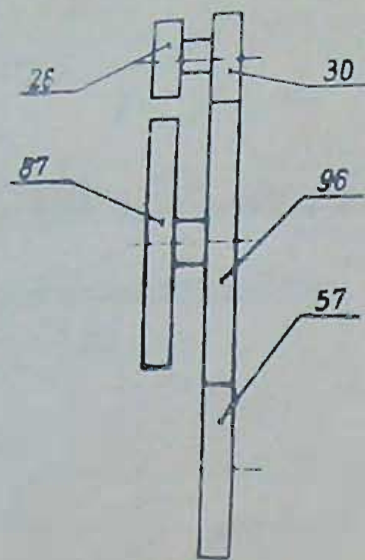


Фиг. 15 Fig.

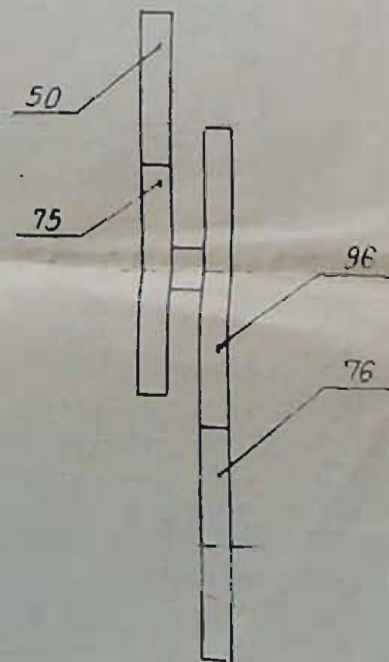


Фиг. 16 Fig.

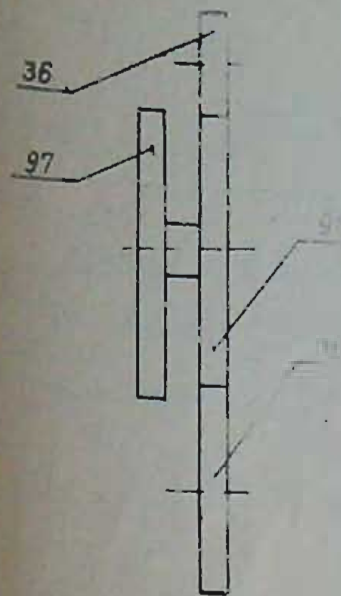




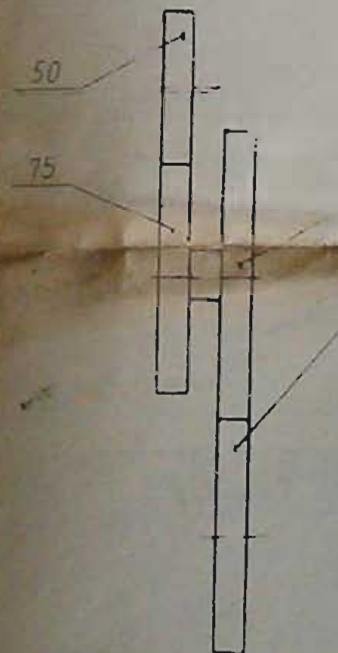
Фиг. 15 Fig.



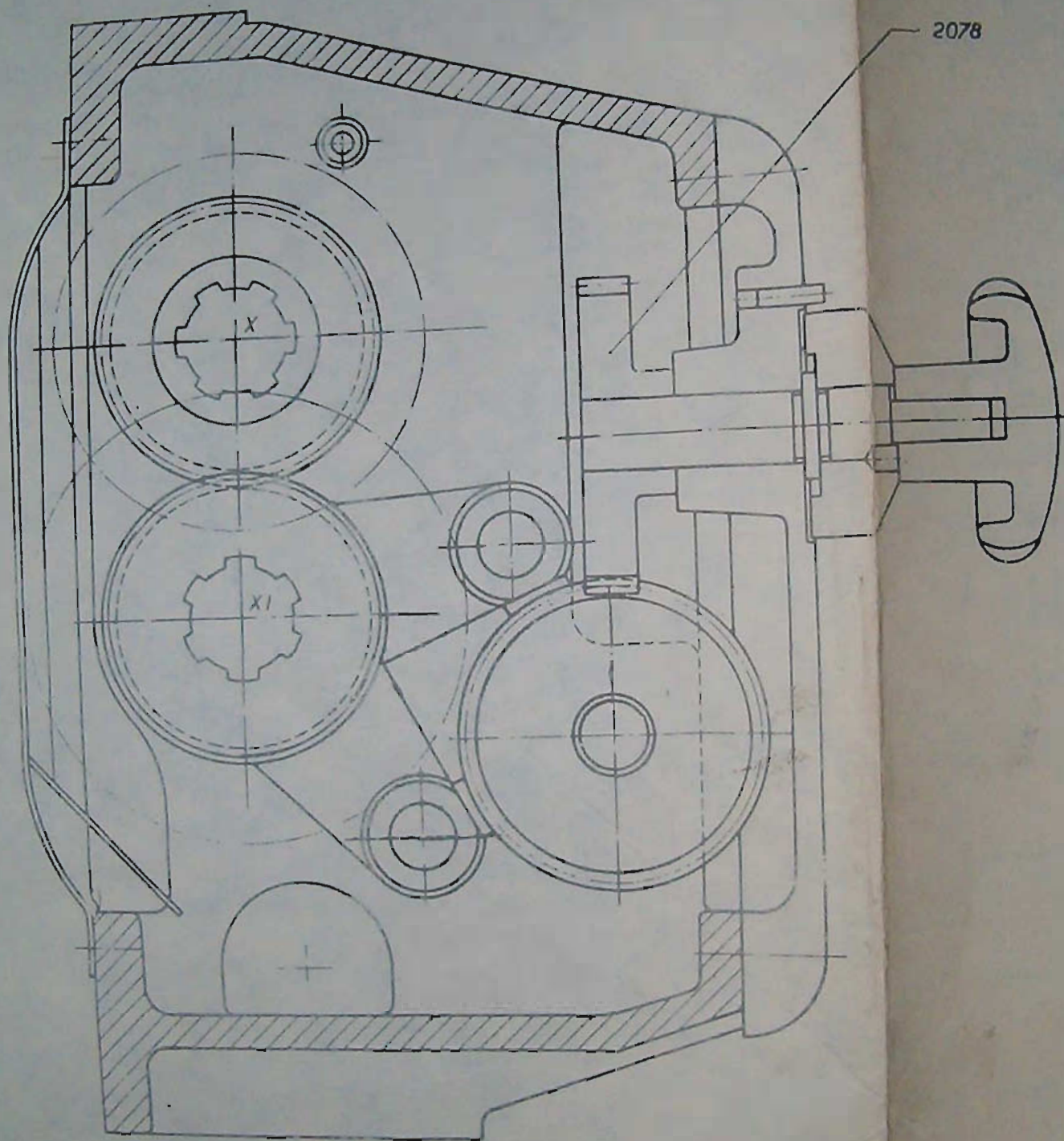
Фиг. 16 Fig.



Фиг. 17 Fig.



Фиг. 18 Fig.



Фиг. 40 Fig.