

INFORMATION REPORT

COUNTRY Germany (Russian Zone)
SUBJECT SAG "Pribor"

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SECRET

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- 1. The firm Schaeffer & Budenberg, belongs to the SAG "Pribor" and is its largest member. Other firms belonging to "Pribor" are:
a. Steinle & Hartung, Quedlinburg, producing pressure regulators.
b. W. Kober & Co., Suhl, producing small electric motors, e.g. for electric razors.
c. Louis Schopper, Leipzig, producing tension testing machines (Zerreissmaschinen).
d. Siemens & Halske, Chemnitz, producing electrical measuring instruments, switchboard instruments, watt meters and measuring bridges.
e. Siemens & Halske, Zwonitz, producing cathode-oscillographs, cardiographs and loop oscillographs.
f. Sachsenwerk in Radeberg, producing large electro-motors.
g. Spritz & Pressgiesserei, Heidenau, producing zinc and aluminum dies.
2. Until recently Schaeffer & Budenberg manufactured all high-pressure equipment and pressure gauges. This production has now been crippled by shortage of raw materials, especially nickel-chromium-steel. As a substitute, manganese steel is being used, of which there is some old stock still available, but no special process of steel hardening is employed. Improved processes of rolling or of continuous work-hardening are not applied.
3. The firm can now only produce manometers for pressures of not more than 4,000 atm and has had to switch part of its productive capacity to the manufacture of such electrical instruments as:
a. Apparatus for hot steam and viscous liquids (petroleum).
b. Six-color recorders for thermo-elements. Moving coil meters with "Fallbügelschreiber"; difficulties exist because of a shortage of color ribbon.

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- c. Single-point recorders for thermo-elements.
- d. Single-point recorders for resistance thermometers.
- e. Triple recorders for thermo-elements and resistance thermometers.
- f. Profile measuring apparatus for thermo-elements, according to DIN.
- g. Single switchboard instruments with sinter magnets.
- h. Temperature regulators with flexible reductor.
- i. Manometers of all types up to 4,000 atm of normal design as per catalogue.

Of the 5,000 employees at Schaeffer & Budenberg, 1,700 are engaged in the manufacture of such electric measurement apparatus.

- 4. Experiments in equipment for pressures higher than 4,000 atm are officially prohibited; e.g. the German Weights & Measures Bureau had recently ordered a pressure meter (Druckwaage) up to 8,000 atm, but the Russians refused to grant permission for one exceeding 4,000 atm.

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