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CENTRAL INTELLIGENCE AGENCY

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COUNTRY	Hungary	REPORT NO.	25X1
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1. The Hungarians have solved the problem of separating uranium ore by adopting a modification of the "Finkey (phonetic) Process", under which use is made of the finest perlon or orlon gauze. For the final process a gauze of 300 meshes to the inch is used.

2. The gauze is cut into squares of 80 to 100 cm. around the edges of which a 3-cm.-wide rubber strip is vulcanized. The gauze squares are then stretched in frames, which are placed in a "high-frequency magnetic shaking apparatus" with a vibration frequency of 3,000 cycles.

3. Finely powdered uranium ore is then sieved through the gauze into a "flotation apparatus" beneath.

4. Before the use of perlon or orlon gauze, gauzes made of chrome nickel and phosphor-bronze wire were tried. These, however, proved impracticable, as almost immediately the threads moved out of position, thus rendering the gauze useless. In the case of perlon and orlon it is possible to weld the threads together.

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